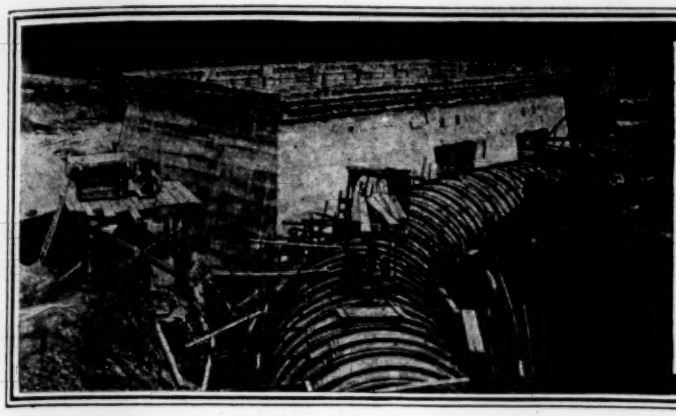

CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 1	Willmar, Minn.	July 21
Aug. 1	Gloversville, N. Y.	July 21
Aug 1	Coxsackie, N. Y.	July 28
Aug. 2	Mankato, Minn.	July 21
Aug. 2	Meriden, Ia.	July 28
Aug. 3	New York, N. Y.	July 28
Aug. 4	Gloucester, N. J.	July 21
Aug. 4	Pella, Ia.	July 21
Aug. 5	Montreal, Que.	July 21
Aug. 8	Hammond, Ind.	July 21
Aug. 8	Westwego, La.	July 21
Aug. 8	Bay City, Mich. Adv. July 21 and 28.	July 28
Aug. 12	Dallas, Tex. Adv. July 21 and 28.	July 21
Aug. 15	Allegan, Mich. Adv. July 28.	July 28
Sept. 1	Verona, Pa.	July 21

SEWERS

Aug. 1	Hughesville, Pa.	July 21
Aug. 1	Mamaroneck, N. Y. Adv. July 21 and 28.	July 21
Aug. 1	Willmar, Minn.	July 21
Aug. 1	Montreal, Que.	July 21
Aug. 2	Paterson, N. J.	July 14
Aug. 2	Glenview, Ill.	July 21
Aug. 3	Brooklyn, N. Y.	July 28
Aug. 5	Phila., Pa.	July 28
Aug. 8	Lebanon, Pa.	July 21
Aug. 8	Indianola, Ia. Adv. July 28.	July 28
Aug. 8	Mexico, Mo.	July 28
Aug. 9	New York, N. Y.	July 21
Aug. 9	Independence, Mo. Adv. July 28.	July 28
Aug. 9	Columbus, O.	July 28
Aug. 9	Woodbury, N. J.	July 28
Aug. 10	Maplewood, Mo.	July 21
Aug. 11	Mt. Vernon, Ill.	July 21
Aug. 17	Indianapolis, Ind. Adv. July 28.	July 28

BRIDGES

Aug. 2	Topeka, Kan.	July 28
Aug. 3	Appleton, Wis.	July 21
Aug. 3	Fox Lake, Ill.	July 28
Aug. 4	Charlotte, N. C.	July 28
Aug. 4	Carthage, Tenn.	July 28
Aug. 5	Ohio	July 28
Aug. 5	New York, N. Y.	July 28
Aug. 6	San Angelo, Tex.	July 28
Aug. 8	Missouri	July 28
Aug. 9	St. Louis, Mo.	July 21
Aug. 11	Strawn, Tex.	July 28
Aug. 12	Jeffersonville, Ga.	July 28
Aug. 15	Columbus, O.	July 21
Aug. 15	Burlington, Wis.	July 21
Aug. 16	Faribault Minn.	July 21
Aug. 16	Faribault, Minn. Adv. July 21 and 28.	July 21
Aug. 23	Trenton, N. J. Adv. July 28.	July 28
Aug. 30	Kelso, Wash.	July 28
Sept. 7	Kingman, Kan.	June 30

EXCAVATION AND DREDGING

July 30	Madisonville, Ky. Adv. July 28.	July 28
Aug. 3	Racine, Wis.	July 28
Aug. 4	Roseau, Minn.	July 28
Aug. 10	Ottumwa, Ia.	July 7

STREETS AND ROADS

Aug. 1	Highland, Ill.	June 30
Aug. 1	Hastings, Minn.	July 14
Aug. 1	Red Bank, N. J.	July 21
Aug. 1	Washington	July 21
Aug. 1	Watertown, S. D.	July 21
Aug. 1	Montreal, Que.	July 21
Aug. 1	Greenville, S. C.	July 21
Aug. 1	New York, N. Y.	July 28
Aug. 1	Cadillac, Mich.	July 28
Aug. 2	South Fork, Pa.	July 21
Aug. 2	Alabama	July 7
Aug. 2	Maryland Adv. July 21 and 28.	July 21
Aug. 2	Long Branch, N. J.	July 21
Aug. 2	Trenton, N. J. Adv. July 21 and 28.	July 21
Aug. 2	Gretna, La.	July 21
Aug. 2	Dayton, O.	July 21
Aug. 2	Maryland Adv. July 28.	July 28
Aug. 2	Weston, Mo.	July 28
Aug. 2	Connecticut Adv. July 21 and 28.	July 28
Aug. 2	Cassopolis, Mich.	July 28
Aug. 2	Houghton, Mich.	July 28
Aug. 2	Massachusetts	July 28
Aug. 2	Dawson, Ga.	July 28
Aug. 2	Mt. Dora, Fla.	July 28
Aug. 3	Maniwaki, Que.	July 14
Aug. 3	Cleveland, O.	July 21
Aug. 3	Waukegan, Ill. Adv. July 28.	July 28
Aug. 3	Brooklyn, N. Y.	July 28
Aug. 3	Ontonagon, Mich.	July 28
Aug. 3	Traverse City, Mich.	July 28
Aug. 3	Cold Water, Mich.	July 28
Aug. 3	Cleveland, O.	July 28
Aug. 3	Waverly, Ia.	July 28
Aug. 4	Wichita, Kan.	July 7
Aug. 4	Bessemer, Mich.	July 28
Aug. 4	Houghton, Mich.	July 28
Aug. 4	Big Rapids, Mich.	July 28
Aug. 4	Baldwin, Mich.	July 28
Aug. 4	Lapeer, Mich.	July 28
Aug. 4	Austin, Tex.	July 28
Aug. 4	Wichita, Kan.	July 28
Aug. 5	Tennessee	July 21
Aug. 5	Pennsylvania Adv. July 14 to 28.	July 21
Aug. 5	Ohio	July 28
Aug. 5	St. Johns, Mich.	July 28
Aug. 5	Fort Huron, Mich.	July 28
Aug. 8	Caro, Mich.	July 28
Aug. 8	Missouri	July 28
Aug. 8	Los Angeles, Cal.	July 28
Aug. 8	So. Pasadena (Pasadena P. O.), Cal.	July 28
Aug. 9	Syracuse, Kan.	July 7
Aug. 9	Charleston, S. C. Adv. July 21 and 28.	July 21
Aug. 9	Trenton, N. J. Adv. July 21 and 28.	July 21
Aug. 9	Duluth, Minn.	July 21
Aug. 9	Rochester, Minn.	July 28
Aug. 9	Missouri	July 28
Aug. 10	Council Grove, Kan.	July 21
Aug. 10	Sandusky, Mich.	July 28
Aug. 10	Fargo, N. D.	July 28
Aug. 10	Bellaire, O.	July 28
Aug. 10	Mankato, Minn.	July 28
Aug. 12	Iola, Kan.	July 21
Aug. 12	New York Adv. July 28.	July 28
Aug. 16	Albany, N. Y. Adv. July 28.	July 28
Aug. 17	New Jersey Adv. July 28.	July 28
Aug. 18	Richwood, W. Va.	July 28
Aug. 20	Cedarburg, Wis.	July 28

INDUSTRIAL WORKS

Aug. 2	Shirley, Mass.	July 28
Aug. 2	Herrin, Ill.	July 28
Aug. 3	Cleveland, O.	July 28
Aug. 9	Dickinson, N. D.	July 28
Aug. 14	Victoria, Australia	June 2

BUILDINGS

July 30	Newton (Boston P. O.), Mass.	July 28
Aug. 1	Superior, Wis.	June 30
Aug. 1	Walkerton, Ont.	July 14
Aug. 1	Kennebunk, Me.	July 28
Aug. 1	Atlantic City, N. J.	July 28
Aug. 2	Harrisburg, Pa. Adv. July 7, 14 and 28.	July 7
Aug. 2	Kirkwood, Mo.	July 21
Aug. 2	Champaign, Ill.	July 28
Aug. 2	Salpulpa, Okla.	July 28
Aug. 2	Chillicothe, Ill.	July 28
Aug. 3	Middletown, N. Y.	July 14
Aug. 4	Dayton, O.	July 21
Aug. 4	Norfolk, Va. Adv. July 28.	July 28
Aug. 5	Mason, Mich.	July 21
Aug. 5	Greensboro, N. C.	July 21
Aug. 5	Kansas City, Mo.	July 21
Aug. 5	Cleveland Heights (Warrensville P. O.), O.	July 28
Aug. 5	Boston, Mass.	July 26
Aug. 5	Long Island City, N. Y.	July 28
Aug. 6	Lakewood (Cleveland P. O.), O.	July 21
Aug. 8	Magee, Miss.	July 14
Aug. 8	Alliance, O.	July 21
Aug. 8	West Allis, Wis.	July 28
Aug. 9	Ironwood Mich.	July 14
Aug. 10	Abilene, Kan.	July 21
Aug. 11	Asheville, O.	July 14
Aug. 12	Augusta, Ga.	July 28
Aug. 15	Cleveland, O.	July 28
Aug. 15	Kerrville, Tex.	July 28
Aug. 15	San Antonio, Tex.	July 28
Aug. 16	Rapid City, S. D.	July 28
Aug. 16	Detroit, Mich.	July 28
Aug. 18	Ithaca, N. Y. Adv. July 28.	July 28
Aug. 20	Springfield, Mo.	July 28
Aug. 22	Houston, Tex.	July 28
Aug. 22	Meadville, Pa.	July 28
Aug. 27	Augusta, Kan.	July 21
Sept. 6	Lincoln, Neb.	July 21

FEDERAL GOVERNMENT WORK

Aug. 1	Removing Boulder—Providence, R. I. Adv. July 7 to 28.	July 7
Aug. 2	Mezzanine Floor — Atlanta, Ga.	July 21
Aug. 10	Mailing Vestibule—Mason City, Ia.	July 21
Aug. 15	Post Office, etc. — Globe, Ariz.	July 21
Aug. 15	Dredging Sleeves—Portland Ore.	July 28
Aug. 18	Dredging, etc. — Buffalo, N. Y. Adv. July 2 and 28.	July 21
Aug. 22	Dredging—Detroit, Mich. Adv. July 28.	July 28
Aug. 22	Dredging—Phila., Pa. Adv. July 21 and 28.	July 28
Sept. 14	Pumping Units — Denver, Colo.	July 28

MISCELLANEOUS

Bids Close		See Eng. News-Record
Aug. 1	Pier—Phila., Pa.	July 14
Aug. 2	Paving Brick—South Fork, Pa.	July 21
Aug. 4	Tunnel Piping Material — Hathorne, Mass. Adv. July 28.	July 28
Aug. 17	Jib Cranes — Brooklyn, N. Y. Adv. July 21 and 28.	July 21
Aug. 18	Test Borings—Phila., Pa. Adv. July 28.	July 28
Aug. 20	Piers and Abutments—Dayton, O.	July 21

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Pa., Phila.—City plans to lay 32,000 lin. ft. 6-36 in. c.i. water mains in various streets. Above work part of $2,000,000 project. F. Caven, City Hall, engr.

W. Va., Paden City—Town election July 23, to vote on $27,500 bonds to build waterworks plant and system.

N. C., Rocky Mount — See "Streets & Roads."

Okla., Broken Bow—City having plans prepared for pumping station, reservoir, and watermains. About $120,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Craig—City defeated $27,000 bonds to build addition to water works system. Noted July 14.

Ont., London—Utilities Comn. plans to lay 18 in. water mains. About $150,000. E. V. Buchanan, Hydro Bldg., engr.

Ont., Tilbury—Town soon receives bids building 6 and 8 in. watermains. About $50,000. Prices wanted on material. A. Heidler Tilbury, engr.

BIDS DESIRED

N. Y., Coxsackie—Until Aug. 1, by M. Vrooman, engr., 10 North Main St., Gloversville, furnishing and installing mechanical pressure filter and appurtenances, here, for village.

N. Y., New York—Until Aug. 3, by N. J. Hayes, Comr. of Water Supply, Gas and Electricity, 2351 Municipal Bldg., furnishing, delivering and laying watermains and appurtenances in Concord, Jackson, Melrose, Prospect, Trinity, Haight, Pierce and Van Nest Aves., East 144th, East 151st, East 155th, and East 158th Sts., Bronx, 1st Ave., Dyckman East 117th, West and Marginal Sts., Manhattan.

Mich., Allegan—Until Aug. 15, by B. M. Berry, city clk., building concrete and brick open well and pump house; advertised in this issue.

Mich., Bay City—Until Aug. 8, at office of H. W. Stickle, city mgr., building water pipe force mains on land and pipe lines under Saginaw River; furnishing water gate valves, c.i. water pipe and special castings; advertised in this issue.

Ia., Des Moines—Until Aug. 2, by Alvord & Burdick, engrs., 1418 South Dearborn St., Chicago, constructing 1 story, brick and concrete pumping station, for city. About $150,000.

Ia., Meriden—Until Aug. 2, by Consolidated School Distr., c/o A. Knox, building independent school water-works systems. About $25,000. W. E. Buell & Co., Davidson Bldg., Sioux City, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Pa., Phila.—City let contract furnishing and installing traveling grate stokers for Queen Lane and Shawmont pumping stations, to Combustion Eng. Corp., 43 Broad St., New York City, $41,534; furnishing and laying 60 in. steel main at Torresdale pumping station, to Beam-Craven Co., 605 Market St., $152,126; furnishing 6, 8, 10 and 12 in. stop valves, to Kennedy Valve Co., East Water St., Elmira, N. Y., $13,839; furnishing and delivering flanged specials for Queen Lane pumping station, to United States Pipe & Fdry. Co., 1420 Chestnut St., $6,000; furnishing and installing 1 fuel economizer and motor driven fans for Torresdale pumping station, 1 fuel economizer for Shawmont, also 2 for Lardners pumping station, to B. F. Sturtevant Co., 135 North 3rd St., $32,000 and $20,000 respectively; furnishing and erecting motor driven pumps at Roxborough Booster station, to Dravo-Doyle Co., Commercial Trust Bldg., $19,000; furnishing and laying 60 in. main from Queen Lane station to reservoir, to J. J. McHugh, Phila., $300,000.

O., Idlewood (Warrensville, P. O.)—See "Sewers."

O., South Euclid—Village received bids laying 24,775 ft. 6-10 in. c.i. water mains in (1) Belvoir Blvd., Piermont, Delwood, Ardmore and Adrian Aves., (2) Winston Rd., (3) Avondale Rd., (4) Elmwood Ave., from Hadded-Mall Co., Schofield Bldg., Cleveland, (1) $68,005, (2) $14,790, (3) $23,116, (4) $5,906; Salem & George Bros., Bolivar Rd., Cleveland, (2) $15,928, (3) $23,774, (4) $6,255.

O., South Euclid—Village received bids laying 10,460 ft. 6-10 in. c.i. water mains in (1) Golfway Ave., (2) Lawnway Ave., (3) Maywood Ave., (4) Rushtown Ave., (5) Oakmont Rd., 18,445 ft. 6-10 in. c.i. water mains in (6) Laclede, Renford, Westdale, Bayard and Green Rds., from A. Marra, Ullmer Bldg., Cleveland, (1) $4,196, (2) $1,527, (3) $17,036, (4) $1,742, (5) $13,486, (6) $69,092; Curro Bros., 12206 Mayfield Rd., Cleveland, (1) $5,125, (2) $2,119, (3) $21,801, (4) $2,436, (5) $17,989, (6) $86,161.

★O., Willoughby—Village let contract building 106 x 175 ft. concrete equalizing basin, 2,000,000 gal. capacity and 6,800 ft. 12 in. c.i. pipe, to Gangl Constr. Co., 737 Natl. Bldg., Akron, $96,747. Noted July 14.

★Mich., Detroit—Fire Comn. let contract furnishing and installing 3 motor driven centrifugal pumping units in new high pressure pumping station on Randolph St., to Midwest Eng. Co., 19th and Martindale Aves., Indianapolis, Ind. About $30,500.

★Minn., Forest Lake—Village let contract building waterworks system, to O'Neill & Preston, 608 Exch. Bank Bldg., St. Paul. About $75,000. Noted July 7.

★S. D., Redfield—City let contract furnishing 3 centrifugal pumps each 1,000 gal. capacity, 1 centrifugal pump 500 gal capacity, 1 steam turbine and 1 motor driven fire pump, to J. W. Hildred Co., 1019 Commerce Bldg., St. Paul, Minn., $7,599. Noted June 9.

★Wash., Sumner—City let contract replacing watermains and building new distribution system, involving 9,250 ft. 12 in. c.i. pipe, 2 concrete intake reservoirs, etc., to W. H. Mitchell, Hoge Bldg., Seattle, $38,824.

★Ont., Toronto—York Twp. let contract laying 35,000 ft. 6 in. c.i. water pipe, to A. Cavotti, 257 Euclid Ave. About $25,000.

Sewers

PROPOSED WORK

N. Y., Depew—Village voted $25,000 bonds to build sewers. J. C. English, Depew, clk.

O., Ashtabula—City plans to build sewage disposal plant. About $500,000. C. R. Stanhope, city engr.

Ill., Bellwood—City having plans prepared building 8-42 in. vitr. tile sanitary sewers in various streets. About $167,000. E. A. Rossiter, 127 North Dearborn Ave., Chicago, engr.

Ill., South Pekin—City c/o J. Hill, mayor, plans to build storm and drain sewers in various streets. About $40,000. Engineer not selected.

Minn., Alexandria—City having preliminary surveys made for sewerage system. About $95,000. H. S. Campbell, clk. C. L. Pillsbury Co., 1200 2d Ave., S., Minneapolis, engrs.

N. C., Rocky Mount — See "Streets & Roads."

Ont., London — City plans to extend sewerage system. About $300,000. H. A. Brazier, city engr.

Ont., Toronto—City plans to build 18,000 ft. sewers in Don Rd., Commissioners, Villiers, Keating, Bouchester, Saulter and Cherry Sts., Hastel, Elmer, Logan, Carlaw and Phyl Aves., mostly vitr. tile, cost $230,600; 16,000 ft. sewers in Lake Shore Rd. from Jane St. to Parkside Drive, Parkside Drive from Lakeshore Rd. to Boulevard Drive, Boulevard Drive from Parkside Drive to point 1,100 ft. west of Dowling Ave., $301,000. R. C. Harris, city engr.

BIDS DESIRED

N. Y., Brooklyn—Until Aug. 3, by E. Riegelmann, boro pres., Boro Hall, building sewer in West 13th St. between Ave. Q and Ave. R., Kenmore Pl. and sewer basins in Ragut Rd. About $100,000.

N. J., Woodbury—Until Aug. 9, by city, building new sewage disposal plant and reconstructing old one. About $60,000. W. H. Boardman, 426 Walnut St., Phila., engr.

Pa., Phila.—Until Aug. 5, by city, building Schedule A, branch sewers in different streets; Schedule B, main sewers in Charles St. from point southwest of Longshore to Longshore St., Longshore St. from Charles to Gilmore Sts., Gilmore St. from Longshore to Tyson Sts., Napfle St. from Cottage St. to Frankfort Ave., Pratt St. from Oakland to Loretta Sts., Vernango St. from Allen to Edgemont Sts., Wissahickon low-level intercepting sewer through Fairmont Park from Green Lane to Gorgas Lane, all 6 ft. 6 in. rein.-con.; Schedule C, Mingo Creek pumping station, storage tanks for fuel oil. F. H. Caven, City Hall, city dir.

O., Columbus—Until Aug. 9, by W. H. Duffy, dir. Pub. Serv., building 8,580 ft. 24-42 in trunk sewer from Lexington Ave. and 17th St. to connect with Linden sewer, cost $82,943; 18 x 33 ft. brick and concrete sewerage pumping plant on Nelson Rd., including two 6 in. and one 3 in. electrically driven pumps. R. H. Simpson, City Hall, engr.

Ind., Indianapolis—Until Aug. 17, by Bd. Sanitary Comrs., for (1) constructing clarification and pumping station building; (2) rein.-con. connecting conduits; (3) concrete thickener tanks; (4) c.i. pipe and specials; (5) conduit gates. C. H. Hurd, 1405 Merchants Bank Bldg., consult. engr.; advertised in this issue.

Ia., Indianola — Until Aug. 8, by City Council, at office of E. M. Wilson, city clk., building 2 trickling filters, with alternative proposition for 1 sand filter; also 2 sludge beds, changes to present septic tanks, etc. L. Higgins, 618 Flynn Bldg., Des Moines, engr.; advertised in this issue.

Ia., St. Ansgar—Until Aug. 9, by city, constructing 30,000 ft. 8 in., 3,500 ft. 10 in., and 1,300 ft. 12 in. sanitary sewers, cost $75,000; sewage disposal plant, $15,000. T. A. Tollefsen, clk. W. E. Buell & Co., Davidson Bldg., Sioux City, engrs.

Mo., Independence—Until Aug. 9, by E. A. Davis, city clk., building 3 sewage treatment plants and ejector stations. Burns & McConnell, Interstate Bldg., Kansas City, engrs; advertised in this issue. Noted June 16.

Mo., Mexico—Until Aug. 8, by city, building outfall sewers and sewage disposal plant. About $70,000. Former bids rejected. Black & Veatch, Mutual Bldg., Kansas City, engr. Noted July 14.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, opened bids July 20, building sewer and appurtenances in (1) Weil Pl. from Flushing Ave. to North Washington Pl., 1st Ward, (2) Liberty Ave. from Rockaway Blvd. to 99th St., etc., from F. Spinella, (1) $3,857; Green Contg. Co., 734 Vernon Ave., Astoria, (1) $3,969, (2a) $11,978, (2b) $111,179; J. H. Johnson, (1) $4,081; J. H. Mullen Contg. Co., Fulton St., Flushing, (2a) $103,682, (2b) $102,653; J. Ferry & Son, Woodhaven, (2a) $117,612; A. Paino, (2a) $122,861, (2b) $119,009.

★N. D., Mandan—City let contract building 60 in. monolithic concrete trunk sewers and laterals, to W. E. Kennedy, Fargo, $43,114.

★O., Akron—City let contract constructing 8-36 in. sewer between Aqueduct St. and Little Cuyahoga River, to J. B. Dorris, Akron, $40,170; 1,940 ft. of 7 ft. 3 in. to 7 ft. 6 in. trunk sewer to extend from Spicer to Crouse Sts., to T. E. McShaffrey Co., Rhoddes Ave., $77,447.

★O., Idlewood (Warrensville P. O.)—Village let contract building sewers and water mains in Barrington and Cranston Rds., involving 1,300 ft. 8 in. c.i. water

Sewers (Continued)

main and 4,680 ft. vitr. sewers, to Haddeed-Mall Co., Schofield Bldg., Cleveland, $26,344. $26,344.

★**Mich., Detroit**—City let contract building sewer in Seven Mile Rd. from Keystone to Fleming Aves., Sects. 3 and 4, involving 7,570 ft. of 11½ ft. pipe, to B. Hayes, 6880 Clayton Ave., $500,845.

★**Ia., Arnold Park**—City let contract building sewerage system, to O. W. Gjelleford, Forest City, $57,133; disposal plant, to Nelson-King Co., Spencer, $18,000. Noted June 2.

★**Ia., Manchester**—City let contract build-8-12 in. sanitary sewers in South Tama and Vine Sts., to W. Jewell, Manchester, $25,394.

★**Kan., Atchinson**—City let contract laying 8-12 in. sewer pipe in various streets, to O. H. Schmidt, 3402 Renick St., St. Joseph, Mo. About $25,000. Noted July 21.

★**Kan., Stockton**—City let contract building sanitary sewers in various streets, to Ammerman Constr. Co., Wichita, $36,100. Noted Nov. 18.

★**Utah, Ogden**—City let contract furnishing labor and materials for building sewers in Dist. 144, involving 38,116 ft. 8-12 in. vitr. pipe and 36,940 cu.yd. earth trenching, to Taylor Childs Co., Ogden, $113,229. Noted Aug. 12.

Wash., Seattle—Bd. Pub. Wks. received bids July 15, building sewers in Findlay St., involving 6,076 lin.ft 8 in. and 524 lin.ft. 18 in. sewer pipe, including 366 lin.ft. 6 in. wyes, (a) clay, (b) concrete, from Interstate Constr. Co., Seattle, (a) $25,730, (b) $25,278; King Plumbing & Heating Co., 214 Columbia St., (a) $32,864, (b) $32,148.

Bridges

PROPOSED WORK

Me., Lewiston—City plans to build 55 ft. rein.-con. bridge, 62 ft. wide, on Main St. About $50,000. J. J. Jones, city engr.

Mass., Athol—Town and Worcester Co. (Worcester) having plans prepared for rein.-con. bridge, 107 ft. long, 55 ft. wide, over Millers River on South Main St. About $80,000. J. R. Worcester & Co., 79 Milk St., Boston, engr. Noted April 28.

W. Va., Charleston—City having preliminary plans prepared for bridge across Elk River, at or near Wyoming St. Election Aug 17 to vote on $250,000 bond for project. E. Bruce, city engr.

North Carolina—State Highway Comn., Raleigh, having plans prepared for 200 ft. steel bridge, over Rocky River, between Stanly and Anson Counties. About $40,000. C. M. Upham, state highway engr.

O., Youngstown—City plans to build steel and concrete bridge. About $1,000,000. C. A. P. Turner, 627 1st Ave., N., Minneapolis, Minn., engr.

Michigan—State Highway Dept., Lansing, plans to build Bridge 600401, 150 ft. long, 2 spans, concrete girder, Montgomery Co.; Bridge 150502 on Lansing-St. Johns Rd., 90 ft. concrete girder with high abutments, Clinton Co.; Bridge 730101, 90 ft. span, concrete girder, Saginaw Co. F. F. Rodgers, Lansing, state highway comr.

Ia., Onawa—Monona Co. plans to build one 20 x 80 ft. and one 20 x 50 ft. pony trusses, 1 concrete cattle pass, 41 box culverts on Primary Bridge Project B 48, between Turin and Soldier, involving 1,727.9 cu.yd. rein.-con., 121,345 lb. reinforcing and 94,330 lb. structural steel; one 20 x 60 ft. pony truss, one 20 x 42 ft. arch span, 36 box culverts and extensions, on Primary Bridge Project B 48, between Mapleton and Ute, involving 1,109.3 cu.yd. rein.-con., 68,555 lb. reinforcing and 86,350 lb. structural steel. Iowa Highway Comn., Ames, engrs.

Minn., St. Paul—City having plans prepared building 600 ft. steel bridge, 56 ft. roadway, over Mississippi River, to replace present Roberts St. bridge. About $600,000. Toltz, King & Day, 1410 Pioneer Bldg., engrs. Noted Jan. 6.

Mo., St. Louis—High School—Rosati Kain Catholic Church, care of A. Caain, pastor, 4368 Lindell St., having plans prepared by H. P. Hess, archt., 4811 Cote Brilliantl St., for 3 story, 80 x 178 ft., brick, rein.-con. and stone, on Newstead and Lindell Sts. About $300,000.

BIDS DESIRED

Conn., Hamden—Towns of Hamden and North Haven receiving bids building 60 ft. rein.-con. highway bridge over Mill River on Dixwell Ave., between here and North Haven. About $26,000. A. J. Deane, Hamden, clk.

N. J., Trenton—Until Aug. 23, by Bd. Freeholders Mercer Co. building 375 ft. through plate girder viaduct, etc. over Delaware and Raritan Canal and Pennsylvania R.R., on Southerd St. Waddell & Son, 35 Nassau St., New York City, engrs.; advertised in this issue. Noted July 21.

Ga., Dawson—Until Aug. 2, by Bd. Comrs. Rds. and Revenues Terrell Co., constructing 250 ft. concrete and steel bridge, on Dawson-Cuthbert Rd., Federal Aid Project 208, involving 26,613 lb. steel, 268 cu.yd. excav., etc. State Highway Dept. will furnish cement.

Ga., Jeffersonville—Until Aug. 12, by Comrs. Twiggs Co. constructing 1 rein.-con. bridge and 1 rein.-con. culvert, near Dry Branch, on Macon-Jeffersonville Rd., involving 204.87 cu.yd. rein.-con., 15,756 lb. steel, etc. E. N. Parker, Dublin, engr.

Ala., Scottsboro—Until Aug. 9, by J. H. Moody, judge, Jackson Co., building 133 ft. bridge, 12 ft. roadway, over Hill Mill Creek, involving 240 cu.yd. rubble masonry, etc. L. G. Smith, Montgomery, engr.

Tenn., Carthage—Until Aug. 4, by Smith Co. Highway Comn., constructing 10 bridges, 6 126 ft. spans. Bids asked on both concrete and steel. M. E. Bird, Carthage, engr.

N. C., Charlotte—Until Aug. 4, by T. C. Griffith, Charlotte, building Buster Boyd bridge over Catawba River, to have one span over river proper, 301 ft. long, seven 126 ft. spans and two 90 ft. spans, probably steel construction, concrete sub-structure, for Meckenburg Co., and York Co., S. C. About $100,000. L. Ross, Charlotte, engr.

Ohio—Until Aug. 5, by State Highway Dept., Columbus, building bridges in following counties:

Allen Co., Sect. "K" Lima-Sandusky Rd., cost $2,027. Cuyahoga Co., Sect. "J" Twinsburg-Elyria Rd., $31,250.

Marion Co., Sect. "G" Marion-Galion Rd., $2,034. Lake Co., Sect. "J" Cleveland-Buffalo Rd., $115,218.

Kan., Topeka—Until Aug. 2, by city, c/o E. M. Covell, clk., building one 36 ft. skew girder span, 20 ft. wide, over Ward Creek on Roosevelt St. About $25,000. W. E. Baldry, Topeka, engr.

Ill., Fox Lake—Until Aug. 3, at office of C. E. Russell, Lake Co. supt. Highways, (Waukegan), building 63 ft. span steel lattice truss bridge, concrete flooring and sidewalk, over Nippersink Channel, here, for County and Village. Noted July 7.

Missouri—Until Aug. 8, by State Highway Dept., Trenton, building three 100 ft. steel truss span bridges over slough of Grand River, at Sta. 463 plus 00 on state road from Jamesport to Trenton, involving 188.5 cu.yd. Class A., 90.2 cu.yd. Class B and 70 cu.yd. Class C concrete, 29,550 lb. reinforcing and 191,300 lb. fabricated structural steel, etc., $39,396; two 120 ft. steel truss spans with two 30 ft. I-Beam approach spans, etc., over east fork Grand River, at Sta. 447 plus 20, on state road from Jamesport to Trenton, 193 cu.yd. Class A, 153.7 cu.yd. Class B and 195.5 cu.yd. Class C concrete, 188,175 lb. fabricated structural and 32,380 lb. reinforcing steel, etc., $48,644. Above bridges on Sect A, Federal Aid Project 116, Grundy Co. A. Graham, Jefferson City, state highway engr.

Tex., San Angelo—Until Aug. 6, by C. T. Paul judge Tom Green Co., building 585.42 ft. steel span bridge 20 ft. roadway, on concrete piers and abutments over Lone Wolf Creek, involving 817.4 cu.yd. Class A and 96.2 cu.yd. Class B concrete, 154,744 lb. reinforcing and 151,000 lb. structural steel. Work also includes removal of one old steel span and 30.72 cu.yd. masonry. About $60,000 including 10 per cent for engineering and continginces. G. Gilchrest, San Angelo, engr. Noted May 12.

Tex., Strawn—Until Aug. 11, by E. L. Pitts, judge Palo Pinto Co., (Palo Pinto), building 255 ft., steel and concrete bridge over Palo Pinto Creek near here, involving 329.9 cu.yd. Class A, 203.1 cu.yd. Class B and C concrete, 44,285 lb. reinforcing, 94,-800 lb. structural steel, 225 cu.yd. dry and 168 cu.yd. west structural excav. Cost $26,551. W. V. Smith, co. engr. Noted April 28.

Wash., Kelso—Until Aug. 30, by State Highway Comn., Olympia, building 722 ft. steel structure on Ocean Beach Highway, near here, to have 102 ft. lift pan, 24 ft. roadway and 5 ft. walks, for Cowlitz Co., Kelso and State Highway Comn. Cost between $225,000 and $250,000. J. Allen, state highway engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Manchester**—City let contract rebuilding Amoskeag Bridge over Merrimac River and Boston & Maine R.R., steel and concrete, to L. H. Shattuck Co., 208 Granite St. About $150,000. Noted June 30.

Conn., Groton (New London P. O.)—State Highway Dept., 240 Farmington Ave., Hartford, received bids July 19, fabricating and erecting steel superstructure of bridge, over Mystic River, between here and Stonington, from Amer. Bridge Co., 30 Church St., New York City, $104,440; Bethlehem Steel Bridge Co., Bethlehem, Pa., $104,700; McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa., $116,550. Noted July 8.

N. Y., New York—Until Aug. 5, by H. H. Curran, pres., Manhattan Boro., constructing steel viaduct with appurtenances in West 134th St., 12th Ave., to 200 ft. easterly.

Fla., Cortez—Manatee Co. (Bradentown) received lowest bid building bridge between here and Santa Anna, 2,212 ft. long with 610 ft. approach; 24 ft. wide, wooden construction, 60 ft. steel draw, from J. R. Chambliss, Oak and Morgan Sts., Tampa. About $36,000.

★**Ky., Pikeville**—E. E. Trivette, judge Pike Co., let contract building three span open spandrel rein.-con. arch., total length 465 ft., across Russel Fork of Big Sandy River, at Marrowbone Station, to Concrete Steel Bridge Co., Clarksburg, W. Va., $39,-106 using local sand and gravel, $41,606 using crushed rock or Ohio River gravel and local sand. If foundation should be excavated lower than shown on plans, for extra work thus added the following unit prices govern: earth excav., $7 per cu.yd., rock excav., $15, concrete $26. Noted June 9.

Ohio—State Highway Comn., Columbus, opened bids July 22, building bridges in following counties:

Muskingum Co., Sect. "R" National Rd., constructing rein.-concrete bridge over Salt Creek, D. L. Paul, Zanesville, $12,469; Taylor & Lynn, Zanesville, $12,983; F. A. Moorhead, West Jefferson, $13,684.

Fulton Co., Sect. "J" Toledo-Angola Rd., constructing steel bridge, J. E. Girkins, Whitehouse, $21,987; LaBriteaux & Hayes, Toledo, $22,829; Mangerick Bros., Napoleon, $23,770.

Montgomery Co., Sect. "F-1" Dayton-Troy Rd., repairing steel bridge, H. A. MacDonald, Norwalk, $7,342; O. D. Carrell, Dayton, $7,385; A. S. Fox, Dayton, $7,897.

Hocking Co., Sect. "A" Logan-Athens Rd., constructing concrete bridge over Old Town Creek, E. N. Turner, Logan, $9,873; J. F. Pulinbo, Columbus, $9,916; Barthlow & Son, Logan, $9,946.

Logan Co., Sect. "B" Bellefontaine-Marysville Rd., constructing concrete bridge beam, Bennett & Drum, Celina, $6,224; F. A. Morehead, West Jefferson, $6,399; Pickering-Goetz, Bellefontaine, $6,618.

Putnam Co., Sect. "Ottawa" Lima-Ottawa Rd., repairing 25 ft. bridge, H. A. MacDonald, Norwalk, $5,892; K. A. Smith, Defiance, $6,457; C. J. Fox, Brookville, $6,442. Noted July 7.

★**Wis., Wisconsin Rapids**—State Highway Comn., Madison, let contract building Wisconsin Rapids bridge here, 543 ft. long, to C. R. Meyer, 50 State St., Oshkosh. About $132,800. Noted July 14.

★**Ia., Anamosa**—Jones Co. let contract building 49 box culverts, 1 circular culvert, 2 pony trusses, to Hawlett Constr. Co., Moline, Ill., $33,500.

★**Tex., Gilmer**—J. L. Melvin, judge Upshur Co., let contract building rein.-con. bridges and culverts in Div. 2, Highway 11, to General Constr Co., 582 Arcade Bldg., St. Louis, Mo., $26,800 including 10 per cent for engineering and contingencies. Noted June 23.

★**Mont., Thompson Falls**—State Highway Comn., Capitol, Helena, and Sanders Co., let contract building three 200 ft. truss spans over Clarks Fork of Columbia River,

Bridges (Continued)

here, to R. E. Mieth, Yeon Bldg., Portland, Ore., $97,682; approaches, to Zumwalt & Ducker, Roundup, $7,001. Noted June 30.

★**Col., Denver**—Monte Vista-State Highway Dept. let contract building 150 ft. concrete bridge over Rio Grande River, Federal Aid Project 178, Rio Grande Co., to Monarch Eng. Co., West Colfax and Larimer Sts., Denver, $30,160. Noted June 16.

★**Cal., Santa Ana**—Bd. Supervs. Orange Co. let contract constructing bridge, having fifteen 50 ft. timber spans on concrete pile bents and 308 ft. pile trestle approaches, over Santa Ana River, here, to F. Hudson, 819 Higgins Bldg., Los Angeles, $44,010.

★**Que., Montreal**—Administrative Comn. let contract building rein.-con. bridges over aqueduct at Verdun, Monk Blvd. and Woodlands, also approaches to Church Ave. Bridge, to Kennedy Constr. Co., Shaughnessy Bldg., McGill St., $78,823.

Dams

PROPOSED WORK

Utah, Price — See "Excavation and dredging."

Excavation and Dredging

PROPOSED WORK

Miss., Greenwood—Ditch—Abiaca Creek D.D. of LeFlore Co. (Greenwood), Holmes Co. (Lexington), and Carroll Co. (Carrollton), had plans prepared for 4 mi. ditch to drain flood waters of Abiaca Creek into Yazoo River, involving 500,000 cu.yd. dragline excav. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

Fla., Jacksonville—Dredging—City rejected bids dredging 70,000 cu.yd. in St. Johns River. About $45,000. F. M. Edwards, 1004 Main St., city engr.

Ill., Mounds — Drainage — City having plans prepared for drainage system. About $150,000. G. Chance, mayor. Private plans.

Ia., Council Bluffs—Excavation—Until Sept. 15, by Auditor Pottawattamie Co., excavating old ditch channel, Allen Creek D.D., Pottawattamie and Harrison Counties, involving 315,000 cu.yd. excav. About $30,000.

Ia., Sioux City—Excavation—Woodbury Co. plans to build open ditches in Garretson D.D. involving 1,000,000 cu.yd. dry earth excav. About $225,000. C. Moriarity, 518 U.B. Bldg., engr.

Ia., Sioux City—Excavation—Woodbury plans to build open ditches in Grant D.D., involving 60,000 cu.yd. dry earth excav. C. Moriarity, 518 U.B. Bldg., engr.

Minn., New Ulm—Ditch—Brown, Sibley and Nicollet Counties having plans prepared for three drainage projects, involving 25 mi. open ditches and 223 mi. 6-42 in. tile. About $1,500,000. F. D. Minium, New Ulm, engr.

Mont., Red Lodge—**Irrigation**—East Side Irrigation Dist. of Clark Fork Valley, having plans prepared for system to irrigate about 7,000 acres. About $375,000. J. B. Meyers, Belfrey, secy. S. C. Kimball, Red Lodge, engr.

Utah, Price—Irrigation—Price River Irrigation Dist. plans to reconstruct Mammoth Dam, also excavate new ditches and clean old canals. About $250,000. W. W. Jones, Price, engr. McGonagle & Ulrich, Salt Lake City, consulting engrs.

BIDS DESIRED

Ky., Madisonville—Ditch—Until July 30, by Hopkins Co. Drainage Bd., building Earl Creek Ditch, 6 mi. long. S. Ford, secy.

Wis., Racine—Ditch—Until Aug. 3, by R. Evans, secy., Hood Creek D.D., 1418 Park Ave., building 24,270 lin.ft. open ditch and 77,000 lin.ft. 8-24 in. tile work in Twps. of Mt. Pleasant, Yorkville and Caledonia. About $100,000. P. J. Hurtgen, Kenosha, engr.

Minn., Roseau—Ditch—Until Aug. 4, by Roseau Co., building 17 mi. Co. Ditch 26, involving 24,750 cu.yd. excav. in ma'n ditch and 115,185 cu.yd. excav. in 4 laterals. About $25,000. J. Deneen, Roseau, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

O., Canton—Dredging, etc.—City let contract dredging, widening and straightening East Creek from Tuscarawas St., E. to 9th St., N. E., also building concrete retaining wall from Tuscarawas St. E. to 9th St., N. E., to F. R. Jones Constr. Co., 139 North Clark St., Chicago, $204,526. Noted June 2.

★**Wis., Milwaukee**—Dredging—City let contract for (1) 431,000 cu.yd. dredging along west side of Jones Island, (2) removal of wrecks, to Cleveland Eng. & Constr. Co., 778 The Arcade, Cleveland, (1) $24.75 per cu.yd., (2) $10,000. Noted July 21.

★**Ia., Mason City**—Drainage—Cerro Gordo Co. let following contracts building Sects. 3A, 3C, 3D, and laterals 7, 8, 10, 11, 12, 15 and 16, Joint D.D.1, in Cerro Gordo, Hancock and Franklin Counties, labor, to Severson & Martin, Albert Lea, Minn., $61,588; 6-12 in. tile, to Mason City Brick & Tile Co., Mason City, $9,227; 14-40 in. tile, to What Cheer Products Co., What Cheer, $82,860. Noted June 2.

Streets and Roads

PROPOSED WORK

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, rejected bids opened July 13, regulating and paving Metropolitan Ave.; cost $60,000; regulating and grading Malta Ave., $1,500. Work will be readvertised. Noted July 21.

N. Y., East Aurora—City plans to repair and improve various roads. About $75,000. R. Person, East Aurora, superv.

Pennsylvania — State Highway Dept., Harrisburg, rejected bids opened June 22, building Route 585, Franklin Co. Noted June 30.

W. Va., Charleston — City having preliminary plans prepared improving Duffy, Wyoming, Main, Randolph, Roane, State and Florida Sts., Columbia, Tennessee, Pennsylvania, Maryland, Ohio, and Glenwood Aves., Shelton Alley, Columbia Blvd., Chester and Poplar Rds., and Springdale Drive. Election Aug. 17 to vote on $500,000 bonds for project. E. Bruce, city engr.

W. Va., Huntington—Cabell Co. plans to pave 2 mi. Norway Rd. from Huntington city limits to Russell Creek. About $50,000.

North Carolina—State Highway Comn., Raleigh, plans to clear, grub, grade, drain and surface 10 mi. road from Warrenton to point on Hacon-Littleton Rd., State Project 626, Warren Co., about $85,000; 9.9 mi. road from Goldsboro to Lenoir Co. line on Central Highway, State Project 616, Wayne Co., $80,000. C. M. Upham, state highway engr.

North Carolina—State Highway Comn., Raleigh, plans to grade, drain and hard surface 9 mi. road from Guilford Co. line to Waughtown, State Project 531, Forsyth Co., about $270,000, 11 mi. road from end Federal Aid Project 47 to Alamance Co. line, State Project 532, Guilford Co., $325,000; clear, grub, grade, drain and surface 6.1 mi. road from Lincolnton to Iron Station, State Project 537, Lincoln Co., 1.8 mi. of some type of hard surface and 4.3 mi. sand clay or topsoil, $80,000. C. M. Upham, state highway engr.

North Carolina — State Highway Comn. at dist. office Greensboro, plans to grade, drain and sand clay surface 10 mi. road from children's home at High Point, via Deep River to Friendship, Guilford Co. About $30,000. C. O. Lowe, Greensboro, engr.

N. C., Ayden—Town plans to pave various streets, rein.-con. or asphaltic material. About $225,000.

N. C., Hickory—City plans to pave 1 mi. 10th Ave. from 12th St. to city limits. About $35,000. Taplan & Perkins, High Point, engrs.

N. C., Rocky Mount—City plans to pave various streets and improve waterworks and sewerage systems. About $150,000. L. V. Bassett, city atty.

N. C., Washington—Town plans to pave various streets. About $200,000. P. C. Painter, Washington, engr.

Fla., Lake City—Columbia Co. sold $100,000 bonds to pave 11 mi. road, probably brick. Engineer not announced.

Fla., Orlando—Orange Co. voted $2,350,000 bonds to pave 150 mi. various roads, brick or asphalt block. E. E. White, engr. Noted Mar. 3.

Ala., Carrollton—Pickens Co. voted $200,000 bonds making possible $500,000 for road and bridge work.

Ala., Mobile—Mobile Co. plans to resurface with oyster shell and repair drainage structures on 5 mi. Coden-Bayou la Batre Rd.; grade, drain and surface 5 mi. Belchamps-Coden Rd., shot ore or oyster shell; 5 mi. Lott Rd., sand clay or clay gravel; 4 mi. road from Irvington to Boulevard and Bayou la Batre Rd., shot ore; 6 mi. Mt. Vernon-Citronelle Rd., 14 mi. Celeste Rd., 10 mi. Union Church-Churchula Rd., 5 mi. Shelton Rd., 14 mi. Calvert-Citronnele Rd., all sand clay and shot ore; 1½ mi. Government St. Rd. and 3 mi. Tanner Rd., both concrete; 3 mi. Frohsin, 3 mi. Venetia, 4 mi. Fulton, 4 mi. Conception St., 1 mi. Telegraph and 4 mi. Theodore-Delchamps Rds., 2½ mi. road from Tanner Rd. at Wheelerville to Orchard, 10 mi. Howells-Ferry Rd. through Orchard to Schellinger Rd., etc., all clay gravel. S. M. Adams, Mobile, engr. Noted May 12.

La., New Orleans—City plans to pave 17 and repave 8 streets, granite blocks, creosoted wood block, vitr. brick, bituminous concrete, bithulithic Trinidad Lake asphalt, sheet asphalt, natural asphalt, gravel chert, etc. Bids for material will be received about Aug. 11. A. Klorer, city engr.

Michigan—State Highway Dept., Lansing, plans to grade, drain and surface Federal Aid Project 58 Sects. B and C, Eaton and Barry counties, involving 19,358 cu.yd. excav., 20,651 sq.yd. gravel; also 1 mi. State Trunk Line Rd. 12-34, Iron Co., concrete or bituminous concrete. F. F. Rodgers, Lansing, state highway comr.

Michigan — State Highway Dept., Lansing, soon receives bids grading, draining and surfacing 1 mi. State Trunk Line Rd. 15-3, Sect. A, Mackinac Co., concrete or bituminous concrete; 3 mi. State Trunk Line Rd. 15-11, Menominee Co., stone-gravel; 15½ mi. Federal Aid Project 60, Antrim and Sheboygan Counties, gravel and macadam. F. F. Rodgers, Lansing, state highway comr.

Mich., Detroit—City plans to pave Baker St. from point 200 ft. east of Campbell Ave. to east curb, cost $15,150, Calahan Ave. from Springwells to Lawndale Aves., $31,920, sheet asphalt on 8 in. concrete base; also alley between Brush, Beaubien, Harper and Piquette Aves., $2,070, alley between Seminole, Iroquois, Duncan and Harper Aves., $3,040, alley between Crane, Rolfs, Mack and Sylester Aves., $5,950, alley between Hartford, Scotten, Scovel and Tireman Aves., $3,320, alley between Field, Sheridan, Mack and Sylester Aves., one course rein.-con. C. W. Hubbell, city engr.

Ill., Carlinville—City plans to pave various streets, vitr. brick on concrete base. About $100,000. Private plans.

Ill., Champaign—City rejected bids paving 3 mi. McKinley Ave., brick on 5 in. concrete foundation. About $50,000. I. E. Pearman, clk. Private plans. Noted May 12.

Ill., Effingham—City plans to pave, curb and gutter North 3rd St., brick and concrete base. About $25,000. G. Austin, engr.

Ill., Joliet—City having plans prepared paving Line St., brick on concrete base. About $25,722. A. S. Calkins, Joliet Natl. Bank, engr.

Ill., Lincoln—City plans to pave Sangamom St., brick or asphalt on concrete base. About $40,000. W. E. Bates, Lincoln, engr.

Ill., Mt. Vernon—City having plans prepared for paving 2 mi. various streets, vitr. brick with concrete curbs and gutters. About $65,000. A. C. Stansfield, Pana, engr.

Ill., Quincy — City had plans prepared paving Vine St., brick or asphalt. About $25,000. L. L. Harper, Quincy, engr.

Wis., Shawano—City had plans prepared and soon receives bids paving 15 blocks Franklin, Green Bay and Picnic Sts., various types of pavement. L. P. Pelishek, Clintonville, engr.

Ia., Des Moines—City plans to repave about 8 blocks, Laurel and 5th Sts., Grand and Penn Aves. About $25,000. A. E. McGlothen, clk.

Ia., Jefferson—City plans to pave about 10 blocks Vine and Washington Sts. About $30,000. E. B. McGlothen, clk.

Streets and Roads (Continued)

Minn., Hastings—Dakota Co. plans to pave 2 mi. Lyndale Ave. Rd. About $56,000. C. L. Methven, Hastings, engr.

N. D., Fargo—Until Aug. 10, by Cass Co., grading and surfacing Red Trail between Cheyenne River and railroad tracks at Mapleton. About $25,000. W. R. Tucker.

Missouri—State Highway Dept., Jefferson City, plans to build 1.77 mi. state road from Richmond northwood. State Aid S 20.65, Ray Co., involving 9,603 cu.yd. earth and 7,485 cu.yd. rock excav., 174.8 cu.yd. Class B, and 5.5 cu.yd. Class C concrete masonry, etc. About $27,845. A. Graham, state highway engr.

Missouri—State Highway Comn., Jefferson City, plans to improve 4.94 mi. State Aid Project S20.54, from Macon northward and southward. Macon Co., involving 30,069 cu.yd. earth excav., 2,287 cu.yd. borrow, 184.7 cu.yd. Class B and 20.8 cu.yd. Class C concrete masonry and 13,270 lb. reinforcing steel, etc. About $26,680. A. Graham, state highway engr.

Missouri—State Highway Dept., Jefferson City, plans to pave 2.25 mi. state road from Jackson northward, involving 14,674 cu.yd. earth excav., 3,393 cu.yd. borrow, 127.8 cu.yd. Class B and 23.2 cu.yd. Class C concrete masonry, etc., cost $14,499; 5.23 mi. state road from Holland northeast, 25,245 cu.yd. earth excav., 6,643 cu.yd. borrow, 16.7 cu.yd. Class B concrete, $18,513; 4.94 mi. from Bolivar eastward and westward, 25,549 cu.yd. earth excav., 3,242 cu.yd. rock excav., 5,129 cu.yd. borrow, $27,294.

Mo., Mexico—City plans to improve Liberty St. from Clark St. to city limits, bituminous macadam on concrete base. About $25,000. W. Dearing, clk. Engineer not selected.

Mo., St. Joseph—City plans to pave 22nd St. from Felix to Messanie Sts., asphalt on concrete base, cost $27,719; Frederick and Edmond Sts., brick on concrete base, $29,800. C. Nowland, pres. Pub. Wks. Private plans.

Utah, Ogden — City plans to pave Dist. 136, involving 5,000 cu.yd. excav., 15,000 sq.yd. plain concrete, 8½ in. center and 6 in. sides, cost $49,500; Dist 134, 83,560 sq. yd. 3 in. asphalt on 6 in. concrete base, 3,000 cu.yd. common earth excav., $306,511; Dist. 155, 5,800 sq.yd. 3 in. asphalt on 6 in. concrete base, $16,000; Dist. 134, 30,600 lin.ft. concrete curbing and guttering. J. M. Tracy, city engr.

Wash., Vancouver—City plans to pave Columbia St. from 11th to 19th Sts., concrete. About $26,000. W. Schwarz, Vancouver, engr.

Ont., Toronto—Bd. Control soon receives bids paving 9,500 sq.yd. Gerrard St. from Pope Ave. to Leslie St., cost $47,168, 1,900 sq.yd. from Logan to Pope Ave., $9,448. asphalt on 6 in. concrete base. R. C. Harris, city engr.

Ont., Toronto—City plans to widen Yonge St. from Farnham Ave. to Heath St., asphalt, cost $49,230, from Summerhill to Farnham Aves., granite block, $25,964, Glen Emi to Merton Sts. asphaltic concrete, $54,156, Heath St. to north city limits, asphalt, $557,565, all on concrete base, with brick block gutters and concrete curbs. R. C. Harris, city engr.

BIDS DESIRED

Massachusetts—Until Aug. 2, by State Highway Dept., Boston, paving 4,300 ft. state highway in Norwell, 18 ft. wide, macadam, cold bituminous treatment, cost $35,000; 2,400 ft. in Framingham, 18 ft. wide, bituminous concrete, $22,000; 1,700 ft. in Sterling, 18 ft. wide, gravel $15,000. A. W. Deane, 413 Statehouse, Boston, engr.

Connecticut—Until Aug. 2 by C. J. Bennet, state highway comr., 240 Farmington Ave., Hartford, paving state highways in towns of Wilton, Groton, Torrington, Killingly and Windsor; advertised in this issue.

New York—Until Aug. 12, by H. S. Sisson, comr. State Highway Dept., 55 Lancaster St., Capitol, Albany, improving highways in Essex, Herkimer, Lewis, Orange, Orleans, Saratoga and Wyoming Counties; also reconstructing highways in Albany, Greene, Lewis, Livingston, Montgomery, Schuyler and Yates Counties. J. C. Finch. secy.; advertised in this issue.

New York—Until Aug. 16, by H. S. Sisson state highway comr., Albany, improving highways in Allegany, Cayuga, Chautauqua, Erie, Oswego, Otsego, Scholharie and Suffolk counties; reconstructing highways in Allegany, Chemung, Columbia, Monroe, Schenectady, Steuben and Westchester counties; advertised in this issue.

N. Y., Brooklyn—Until Aug. 3, by E. Riegelmann, boro pres., Boro Hall paving East 15th St., Benson and Sutter Aves., permanent asphalt, Kings Highway, etc., bituminous macadam; regulating, curbing and laying sidewalks on Terrace Pl., 36th St. frm Tehama to Louisa Sts., West 35th, West 36th and West 39th Sts.; regulating and paving 39th St.; regulating and grading, etc., 77th St. and 20th Ave., reregulating and resurfacing 84th St.; recurbing and laying sidewalks on 84th St.; regulating and paving Kingston Ave.; furnishing and delivering 150 ton asphalt joint filler.

N. Y., New York—Until Aug. 1, by H. H. Curran, pres. Manhattan Boro, Municipal Bldg., widening and repaving 181st St. from Amsterdam to St. Nicholas Aves., asphalt brick, etc. About $25,000.

New Jersey—Until Aug. 17, by State Highway Comn., Broad St. Bank Bldg., Trenton, building road from Madison to Chatham, Route 5, Sect. 4, Morris Co., bituminous concrete on concrete base. A. L. Grover, ch. clk.; advertised in this issue.

Maryland—Until Aug. 2, by State Highway Comn., 601 Garrett Bldg., Baltimore, paving 1 mi. state highway in Cecil Co., Contr. Ce-36, and 1.37 mi. in Cecil Co., Contr. Ce-25. J. N. Mackall, chn.; advertised in this issue.

W. Va., Richmond—Until Aug. 18, by R. Richards, city recdr., paving West Main St. between Oakland Ave. and 1st St., Riverside Drive between Greenbier Rd. intersection and Boggs Ave., East Main St. between Virginia St. and Park Pl.

Fla., Mt. Dora—Until Aug. 2, by Town Council, paving and grading 4½ mi. road, involving 25,000 sq.yd. brick or other hard surface pavement. About $30,000. Engineer not named.

Ga., Dawson—Until Aug. 2, by Bd. Comrs. Rds. and Revenues Terrell Co. constructing 9.1266 mi. Dawson-Cuthbert Rd. Federal Aid Project 208, involving 26,818 cu.yd. earth excav., 13,803 cu.yd. borrow, 24,089 cu.yd. sand clay surfacing, etc. State Highway Dept. will furnish cement.

Ohio—Until Aug. 5, State Highway Comn., Columbus, grading, building bridges and culverts and paving roads in the following counties:

Butler Co., Sect. "A-2" Eaton-Middletown rd., 1.192 mi., brick, cost $68,748 (state to furnish brick); bituminous macadam, $48,696.

Sect. "B-1" Eaton-Middletown rd., 2.527 mi. brick, $179,708, (state to furnish brick) bituminous macadam, $136,900.

Stark Co., Sect. "F" Navarre-Berlin Rd., 0.93 mi., brick, $55,270 (state to furnish brick).

Trumbull Co., Sect. "T" Warren-Sharon Rd., 1.51 mi., brick, $92,548 (state to furnish brick).

Vinton Co., Sect. "F" McArthur-Jackson Rd., 0.31 mi., bituminous macadam, $6,470.

Butler Co., Sect. "D" Hamilton-Middletown Rd., 4.15 mi., resurfacing, sheet asphalt, $128,996.

Minn., Rochester—Until Aug. 9, by Olmsted Co., improving State Aid Job 2103, involving 49,000 cu.yd. earth, 3,500 cu.yd. loose rock, 500 cu.yd. solid rock excav., 40,000 cu.yd. over haul, 140 cu.yd. concrete, 8,976 lb. reinforcing steel, etc. About $25,000. G. H. Smith, Rochester, engr.

O., Bellaire—Until Aug. 10, by City Comrs., paving 74,195 sq.yd. Guernsey and Crescent Sts., brick or concrete, involving 1,950 lin. ft. concrete curbing, 11,966 cu.yd. earth excav., etc. About $25,000. H. C. Althar, city engr.

O., Cleveland—Until Aug. 3, by city, grading, draining and paving, Arlington and Chester Aves., East 55th and West 88th Sts. About $75,000. R. Hoffman, City Hall, engr.

Mich., Baldwin—Until Aug. 4, by State Highway Dept. at office Bd. Rd. Comrs. Lake Co., gradirg, draining and surfacing 7.048 mi. State Trunk Line Rd. 20-18, involving 66, 858 cu.yd. excav., 66,140 sq.yd. gravel, etc. F. F. Rodgers, Lansing, state highway comr.

Mich., Bessemer—Until Aug. 4, by State Highway Dept., at office Bd. Rd. Comrs. Gogebic Co., grading, draining and surfacing 6.738 mi. State Trunk Line Rd. 12-26 involving 29,027 cu.yd. excav., 63,250 sq. yd. gravel. F. F. Rodgers, Lansing, state highway comr.

Mich., Big Rapids—Until Aug. 4, by State Highway Dept. at office Bd. Rd. Comrs. Mescota Co., grading, draining and surfacing 1.647 mi. State Trunk Line Rd. 13-30, Sect. A and B, 1.098 mi. to be surfaced with concrete or bituminous concrete and 0.549 mi. with bituminous concrete wearing surface, involving 17,634 cu.yd. excav., 5,266 sq.yd. concrete, etc. F. F. Rodgers, Lansing, state highway comr.

Mich., Cadillac—Until Aug. 1, by State Highway Dept., at office Bd. Rd. Comrs. Wexford Co., grading, draining and surfacing 1.229 mi. State Trunk Line Rd. 13-8, Sect. A, 0.843 mi. to be paved with concrete or macadam and 0.386 mi. with gravel, involving 5,559 cu.yd. excav., 3,261 sq.yd. gravel and 9,935 sq.yd. concrete, bituminous concrete, waterbound macadam or bituminous macadam. F. F. Rodgers, Lansing, state highway comr.

Mich., Caro—Until Aug. 8, by State Highway Dept. at office Bd. Rd. Comrs. Tuscola Co., grading, draining and surfacing 0.92 mi. State Trunk Line Rd. 31-8, involving 3,770 cu.yd. excav., 10,720 sq.yd. concrete, bituminous concrete or bituminous macadam. F. F. Rodgers, Lansing, state highway comr.

Mich., Cassopolis—Until Aug. 2, by State Highway Dept., at office Bd. Rd. Comrs. Cass Co., grading, draining and surfacing 4.381 mi. State Trunk Line Rd. 62-2, Sects. B and C, involving 11,819 cu.yd. excav., 57,658 sq.yd. gravel. F. F. Rodgers, Lansing, state highway comr.

Mich., Coldwater—Until Aug. 3, by State Highway Dept., at office Bd. Rd. Comrs. Branch Co., grading, draining and surfacing 1.225 mi. State Trunk Line Rd. 29-3, involving 5,502 cu.yd. excav., 17,112 sq.yd. concrete or bituminous concrete. F. F. Rodgers, Lansing, state highway comr.

Mich., Houghton—Until Aug. 2, by State Highway Dept. at office Bd. Rd. Comrs. Kalkaska Co. grading, draining and surfacing State Trunk Line Rd. 26-9, involving 914 cu.yd. excav., 8,272 sq.yd. bituminous concrete, 2,716 sq.yd. concrete base. F. F. Rodgers, Lansing, state highway comr.

Mich., Houghton—Until Aug. 4, by State Highway Dept. at office Bd. Rd. Comrs. Kalkasha Co., grading, draining and surfacing 5.12 mi. State Trunk Line Rd. 13-20, (0.448 mi. to be surfaced with concrete and 4.672 mi. with gravel) involving 17,634 cu.yd. excav., 5,262 sq.yd. concrete and 43,796 sq.yd. gravel. F. F. Rodgers, Lansing, state highway comr.

Mich., Iron Mountain—Until Aug. 5, by State Highway Dept., at office Bd. Rd. Comrs. Dickinson Co., grading, draining and surfacing 3.883 mi. State Trunk Line Rd. 90-1. Sect. A, involving 20,512 cu.yd. excav., 36,451 sq.yd. gravel. F. F. Rodgers, Lansing, state highway comr.

Mich., Lapeer—Until Aug. 4, by State Highway Dept., at office Bd. Rd. Comrs. Lapeer Co., grading, draining and surfacing State Trunk Line Rd. 38-5, involving 21,852 cu.yd. excav., 35,788 sq.yd. gravel. F. F. Rodgers, Lansing, state highway comr.

Mich., Ontonagon—Until Aug. 3, by State Highway Dept. at office Bd. Rd. Comrs. Ontonagon Co., grading, draining and surfacing 6.21 mi. State Trunk Line Rd. 68-1, Sects. A-1 and A-28 B, involving 19,243 cu.yd. excav., 57,441 sq.yd. waterbound or bituminous macadam. F. F. Rodgers, Lansing, state highway comr.

Mich., Port Huron — Until Aug. 5, by State Highway Dept., at office Bd. Rd. Comrs. St. Clair Co., grading, draining and surfacing 7.06 mi. State Trunk Line Rd. 21-13, Sects. B, E and F, involving 3,581 cu.yds. excav., 75,703 sq.yd. concrete or bituminous concrete. F. F. Rodgers, Lansing, state highway comr.

Mich., St. Johns—Until Aug. 5, by State Highway Dept., at office Bd. Rd. Comrs. Clinton Co., grading and draining 5.265 mi. Federal Aid Project 39, Sect. A, involving 21,899 cu.yd. excav. F. F. Rodgers, Lansing, state highway comr.

Mich., Sandusky—Until Aug. 10, by State Highway Dept., at office Bd. Rd. Comrs. Sanilac Co., grading, draining and surfacing 6.113 mi. Federal Aid Project 51, Sect. B, involving 6,886 cu.yd. excav., 296 sta. grading, 57,229 sq.yd. gravel. F. F. Rodgers, Lansing state highway comr.

Streets and Roads (Continued)

Mich., Traverse City—Until Aug. 3, by State Highway Dept. at office Bd. Rd. Comrs. Grand Traverse Co., grading, draining and surfacing 2.094 mi. State Trunk Line Rd. 11-12, Sect. A, involving 7,464 cu. yd. excav., 23,471 sq.yd. concrete or bituminous concrete. F. F. Rodgers, Lansing, state highway comr.

Ill., Waukegan—Until Aug. 3, by Rd. and Bridge Comn., at office of C. E. Russell, supt. highways Lake Co., constructing 4.6 mi. of 18 ft. Co. Bond Issue. State aid concrete road; advertised in this issue.

Wis., Cedarville—Until Aug. 20, by A. Roemer, chn. town of Amberg, grading, clearing, etc. 1¾ mi. Town Line Rd. east of here, for Amberg and Wausaukee twps.

Minn., Mankato—Until Aug. 10, by Blue Earth Co., improving Job 2106, Sect. B, State Highway 1, involving 50,000 cu.yd. excav., 70,000 cu.yd. overhaul, 10,000 lin.ft. 6 in. tile and 5 rein.-con. culverts. About $25,000. N. Moe, Mankato, engr.

Kan., Wichita—Until Aug. 4, by Sedgwick Co., paving 5.6 mi. Federal Aid Project 54, 18 ft. wide, brick surface on concrete base. About $250,000. M. Rosenberry, Wichita, engr.

Missouri—Until Aug. 8, by State Highway Dept., Trenton, building 1.53 mi. state road from Trenton, westward. Federal - Aid Project 116, Sect. A, Grundy Co., involving 24,692 cu.yd. earth and 603 cu.yd. rock excav., 30,858 cu.yd. borrow, 66.5 cu.yd. Class B and 8.8 cu.yd. Class C concrete masonry, etc., cost $39,258; 0.62 mi. state road from Edinburg, eastward, State Aid Project S 20.53, Grundy Co., 17,551 cu.yd. earth and 1,000 cu.yd. rock excav., 600 cu.yd. borrow, 44.7 cu.yd. Class B and 29.4 cu.yd. Class C concrete masonry, etc., $19,827. A. Graham, Jefferson City, state highway engr.

Missouri—Until Aug. 9, by State Highway Dept., Troy, paving 3.76 mi. State Aid Project S2069, from Troy eastward and westward, involving 20,097 cu.yd. earth and 854 cu.yd. rock excav., 244.5 cu.yd. Class B and 44.1 cu.yd. Class C concrete masonry, 10,610 lb. reinforcing steel, etc. About $25,344. Address State Highway Dept., Jefferson City.

Mo., Weston—Until Aug. 2, by Weston Co., surfacing various streets, involving 30,000 sq.yd. brick or asphalt on concrete base. About $150,000. G. A. Stockley Eng. Co., Graphic Arts Bldg., Kansas City, engrs. Noted July 14.

Tex., Austin—Until Aug. 4, by G. S. Mathews, judge Travis Co., grading, surfacing and draining 9.15 mi. State Highway 20, Kimbro Dist. About $250,000 including 10% for engineering and contingencies. Former bids rejected. Noted July 7.

Cal., Los Angeles—Until Aug. 8, by Bd. Supervs. Los Angeles Co., paving 5,339 ft. Santa Monica Blvd. from La Brea to Fairfax Aves., involving 23,268 sq.yd. 6 in. concrete, 22,665 sq.yd. waterbound macadam, 7,780 cu.yd. excav., etc. Address Rd. Dept., Hall of Records.

Cal., South Pasadena (Pasadena P. O.)—Until Aug. 8, by City Clerk, paving Spruce St., involving 77,600 sq.yd. 3 in. waterbound macadam, 600 lin.ft. curbs, 7,500 sq.ft. gutters and 3,200 sq.ft. sidewalks, all cement. R. B. Orbison, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

Maine—State Highway Dept., Augusta, received bids July 14 paving 3.59 mi. state highway in Bangor and Veazie, 18 ft. wide, concrete, from Frussell Eng. Co., Gardner, Mass., $64,484; Hassam Paving Co., Worcester, Mass., $75,025; Webster & Morse, Bangor, $88,749; 3.1 mi. in Turner and Livermore, 18 ft. wide, gravel, from Thomas & Murphy, Keene, N. H., $53,818; J. H. Kerr, Rumford, $53,876; J. Staeford, Bar Harbor, $55,448. Noted July 7.

New Hampshire—State Highway Dept., Concord, received bids July 15 paving section state highway in Keene, 18 ft. wide, concrete, from Portland Constr. Co., Portland, Me., $33,855; Winslow & Cummings, Nashua, $35,336; Frissell Eng. Co., Gardner, Mass., $36,077.

★**Conn., Warehouse Point**—City let contract paving roadway and sidewalks of Connecticut River Bridge between here and Windsor Locks, bituminous, to Immick Co., State St., Meriden. About $25,000.

★**Massachusetts** — State Highway Dept., Boston, let contract paving 8.880 ft. state highway, in Brookfield and West Brookfield, 21 ft. wide, rein.-con., to Middlesex Constr. Co., Medford, $101,556; 28,500 ft. in Winchendon and Templeton, 18 ft. wide, bituminous macadam, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $209,029; 9,200 ft. in Barre and Oakman, 18 ft. wide, bituminous macadam, to Canton Eng. Co., Canton, $76,069. Noted July 21.

★**N. Y., Brooklyn**—E. Reigelmann, boro pres., Boro Hall, let contracts to Borough Asphalt Co., 1301 Metropolitan Ave., regulating and paving Lott Ave. from Bristol to Chester Sts., $3,732, Malta St., $8,032, Osborn St., $7,817 Stone Ave. $9,783; to Cranford Co., 152 9th St., Lott Ave. from Sackman to Powell Sts., $3,496; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., 78th St., $14,102, Conover St., $9,626, 32nd St., $7,941 Ocean Ave., $76,073; to Sicilian Asphalt Paving Co., 41 Park Row, New York City, Decatur St., $29,197; to C Gallagher, 745 Dean St., Sheepshead Bay Rd., $10,037; to Williams Constr. Co., regulating, grading and curbing Dikeman St., $880; to L. Mangieri, 190 31st St., 78th St., $7,436. Noted July 21.

★**N. Y., Brooklyn—Park Bd.** at office of Dept. Parks, Municipal Bldg., New York City, let contract improving Ocean Parkway between Coney Island Creek Bridge and Coney Island Concourse, to C. Gallagher, 745 Dean St., $24,899. Noted July 21.

★**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, let contract regulating and grading westerly side of Bell Ave., to R. A. Hess, Inc., Corona, $24,726; 86th St., etc., to Kennedy & Smith, Inc., 93 Amity St., Flushing, $28,826; Ralph St., etc., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, $10,498; Decatur and Ridge Sts., etc., to Cleveland Trinidad Paving Co., Flushing, $10,416 and $20,483 respectively. Noted July 14.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, 68 Hunterspoint Ave., opened bids July 20, regulating and curbing, etc. (1) Manly St. from Thomson to Hunterspoint Aves., 1st Ward; curbing recurbing (where necessary) and paving (2) 7th Ave. from Grand to Flushing Aves., 1st Ward; sheet asphalt; regulating and grading, (3) Van Pelt St. from Queens Blvd. to Skillman Ave., 1st Ward, (4) Fiske Ave. from Grand St. to northerly curb line of Faulkner St., etc., (5) 80th St. (Leggett Ave.) from Park Lane south to Jamaica Ave., 4th Ward; regulating and paving, (6) Cherry Ave. from Parsons Ave. to Phlox Pl., etc.; preliminary bituminous macadam regulating and repaving (7) 7th Ave. from 6th to 13th Sts., etc., asphalt block, from

C. Kurth, 9519 126th St., Richmond Hill, (1) $5,274.

F. J. Clancy, 87 Bway., Astoria, (1) $5,931, (5) $36,275.

J. Goss Co., Inc., $5,931.

Kennedy & Smith, Inc., 94 Main St., Flushing, (1) $6,570, (5) $35,942, (6) $4,032.

Cleveland Trinidad Paving Co., Flushing, (2) $25,682.

Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (2) $26,437.

W. P. McDonald Constr. Co., 618 Union St., Brooklyn, (2) $28,816.

S. S. Jones Contg. Corp., (3) $5,090.

Contractors Serv Corp., 288 Jackson St. Greenpoint, (3) $4,681. J. J. Mac Intyre, (3) $5,528.

Casalino Contg. Co., 299 Withers St., Brooklyn, (4) $15,417.

Welsh Bros. Contg. Co., 14 Queens St., Astoria, (4) $17,844.

H. E. Kordes Co., 2557 Cooper St., Brooklyn, (4) $18,535, (5) $33,987.

Tuohy & Upton, Inc., 98 Main St., Flushing, (6) $3,435.

Peace Bros., Inc., 20 Main St., Flushing, (6) $3,760.

H. J. Mullen Contg. Co., Fulton St., Jamaica, (7) $79,478.

Necaro Co., Inc., 97 Court St., Brooklyn, (7) $80,623.

Hastings Pavement Co., 25 Broad St., New York City, (7) $81,859. Noted July 14.

N. J., Salem—Salem Co. received bids July 25, paving with concrete 47,000 sq.yd. road from Woodstown to here, 20 ft. wide, from M. Staub, Swedesboro, $166,600; Sutton & Corson, 9th and Simpson Sts., Ocean City, $185,300; R. Sangivanni, 80 Hoyt St., Newark, $187,300. Noted July 7.

★**Pa., Phila.**—City let contract to Eastern Paving Co., Colonial Trust Bldg., paving 55th St. from Florence to Willows Aves., $30,050, Federal St. from Broad to Grays Ferry Aves., $65,500, Ridge Ave. from Susquehanna to Indiana Aves., $101,000; Union Paving Co., 30th and Locust Sts., Delaware Ave. from Vine to Chestnut Sts., $145,000; T. E. James, 5431 North Front St., Main St. from Leverington to Harvey Aves., $104,000.

★**Pa., Phila.**—City let contracts paving 6th St., to Ryan Constr. Co., Real Estate Trust Bldg., $103,890; 5th and 6th Sts. from Allegheny to Erie Aves., to Brown-King Constr. Co., Commercial Trust Bldg., $86,273; 5th St., to McLaughlin & Flood, 2005 Fitzwater St., $131,348; 5th and 6th Sts. from Wharton to Snyder Aves., to R. Lombardi, 601 Lincoln Bldg., $80,815; Delaware and Woodland Aves., to Acchione & Canuso, 763 South 12th St., $131,343 and $69,129 respectively; Woodland and Germantown Aves., to Union Paving Co., 30th and Locust Sts., $57,234 and $83,112 respectively; Main 22d and Fairhill and Harrocks Sts., to Eastern Paving Co., Colonial Trust Bldg., $73,410, $53,615, $14,494 and $9,053 respectively; Ridge Ave. from Indiana Ave. to School House Lane, to M. J. McCrudden 1134 Real Estate Trust Bldg., $100,667; Ridge Ave. from Columbia to Susquehanna Aves., to Fish-Rutherford & Co., 702 Real Estate Trust Bldg., $74,361.

★**W. Va., Huntington**—Cabell Co. let contract grading, draining and paving with macadam on sandstone base, 1½ mi. Chesapeake-Kimballville Rd., to Brewer & Brewer, Chillicothe, O., $28,045.

North Carolina—State Highway Comn., at div. office, Tarboro, opened bids July 21, grading and paving 9.57 mi. road, State Project 609, Pitt Co., from Cheatwood & Driscoll, 511 West 12th St., Richmond Va., $237,106; A. F. McConville, Ogdensburg, N. Y., $237,207; P. R. Ashby, Tucker Bldg., Raleigh, $260,025. Noted July 14.

North Carolina—State Highway Dept., at div. office, Kinston, opened bids July 22, clearing, grubbing, grading, draining and paving 2.65 mi. State Project 516, Craven Co., from Eagle Eng. Co., New Bern, $103,153; P. R. Ashby, Tucker Bldg. Raleigh, $104,341; Davis Constr. Co., Kinston, $105,007. Noted July 21.

North Carolina—State Highway Comn., at div. office, Durham, opened bids July 18, clearing, grubbing, grading, draining and paving 5.8 mi. State Project 573, Durham Co., involving 8 acres clearing and grubbing, 13,200 cu.yd. common excav., 312 ft. 15-24 in. concrete pipe, 108 cu.yd. Class B and 60 cu.yd. Class A concrete, 61,320 sq.yd. concrete pavement, and 4,640 lb. reinforcing steel, from Hutton Eng. & Contg. Co., Savannah, Ga., $192,340; Pittman Constr Co., Rhodes Bldg., Atlanta, Ga., $193,425; R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, $200,559.

North Carolina—State Highway Comn., at div. office, Charlotte, opened bids July 20, grading, scarifying and reshaping 2.28 mi. road, State Aid Project 591, Union Co., from Redman Constr. Co., Monroe, $59,424; Dunn Constr. Co., Birmingham, Ala., $60,399; Simmons Contg. Co., Charlotte, $61,993. Noted July 14.

Ohio—State Highway Comn., Columbus, rejected bids received July 22, improving roads in following counties:

Allen Co., Sect. "A-1" West Minster-New Hampshire Rd., 1.051 mi., grading, constructing bridges and culverts paving with Kentucky rock asphalt or bituminous macadam.

Cuyahoga Co., Sect. "J" Twinsburg-Elyria Rd., concrete bridge.

Wyandot Co., Sects. "G-1" and "G-2" Findlay-Upper Sandusky Rd., 4.170 mi., paving with bituminous macadam. Noted July 7.

Ohio—State Highway Comn., Columbus, opened bids July 22 for maintenance and repair work in the following counties:

Columbiana Co., Sect. "B" Ohio River Rd., constructing culvert, from Allison Harrison Co., East Liverpool, $8,270; G. B. Batterson, Wellsville, $8,990.

Hamilton Co., Sect. "B" Harrison Pike, grading roadway and paving with bitoslag over large fills, Scully Bros., Harrison Pike, Cincinnati, $19,015.

Sect. "A" Carthage-Hamilton Rd., constructing crib division wall in west fork of Mill Creek, Iliff Bros., London, $3,796; F. Ritter, Cincinnati, $3,819; P. Preachter, 2935 Gerard St., Cincinnati, $3,850.

Henry Co., Sect. "B" Bryan-Napoleon Rd., 1.44 mi., paving with 5 in. macadam, Stone & Heil, Lima, $16,739; J. A. West-

Streets and Roads (Continued)

rick & Son, Napoleon, $18,921; C. V. Rector, Muncie, Ind., $19,335.

Jefferson Co., Sect. "D" and "E" Canton-Steubenville Rd., 4.02 mi., widening old road and paving with bituminous macadam, (T-1) R. H. Shafer, Columbus, $45,884; Seaborne Bros., Youngstown, $49,664; Gray Bros., Youngstown, $49,664; same paving with bituminous macadam, (A-1) R. H. Shafer, Columbus, $45,506.

Ottawa Co., Sect. "H" Toledo-Elmore Rd., 0.99 mi., paving with rein.-con., Barnes & Tabbert, Rocky Ridge, $21,912; H. J. Shaw, Toledo, $22,097; A. C. Schultz, 1496 Lincoln Ave., Cleveland, $22,282.

Pike Co., Sect. "B" Columbus-Portsmouth Rd., 0.812 mi., grading roadway constructing curb and paving with concrete, Anderson-Brown, Chillicothe, $28,615; Rennick & Smith, Columbus, $29,129; Kelly Dunham, Waverly, $31,945.

Richland Co., Sect. "G" and "K-1" Mansfield-Galion Rd., 2.99 mi., repairing and resurfacing with 5 in. macadam, J. Herzog, Forest, $43,316; W. Sousley, Ada, $46,944; M. Cledhill, Galion, $47,418.

Stark Co., Sect. "A" Canton-Canal Dover Rd., 1.48 mi., resurfacing with brick, Burke Constr. Co., Canton, $49,852; D. E. McCoy, Canton, $50,199; G. W. Hadley, Canton, $51,457.

Wood Co., Sect. "A" Bowling Green-Port Clinton Rd., 2.57 mi., resurfacing with bituminous macadam (A-1) Finch Eng. Co., Bowling Green, $24,196; Creager Bros., Liberty Center, $26,372; Johnson, Van Wagner & Johnson, Tontogany, $25,888; same paving with bituminous macadam, (T-1) Finch Eng. Co., Bowling Green, $26,384; Wise Bros. & Burman, Elmore, $26,152. Noted July 7.

Ohio—State Highway Comn., Columbus, opened bids July 22, grading, constructing bridges and culverts and paving roads in following counties:

Ashland Co., Sect. "A" Mansfield-Ashland Rd., 1.85 mi., monolithic brick, from D. A. Phillips, Ashland, $78,429; F. J. Mann & Sons, Ashland, $79,450; Cavenaugh-DeNiro, Youngstown, $81,245; same paving with brick, F. J. Mann & Sons, Ashland, $88,220; D. A. Phillips, Ashland, $89,-013.

Sect. "B" Mansfield-Ashland Rd., 3.523 mi., grading roadway and constructing bridges and culverts only, H. D. Long, Marion, $60,257; 3126 West 86th St., John F. Connors, Cleveland, $62,243; Buckeye Constr. Co., Akron, $62,560.

Ashtabula Co., Sect. "C" Youngstown-Conneaut Rd., 4.997 mi., monolithic brick, McDermott & Hennin, Niles, $171,272; Fitzgerald Co., Ashtabula, $185,890; same paving with bituminous macadam, Gray Bros., Youngstown, $175,822; McDermott & Hannin, Niles, $185,205; Fitzgerald Co., Ashtabula, $193,649.

Coshocton Co., Section "West Lafayette" Newcomerstown-Coshocton Rd., 0.915 mi., monolithic brick, Henderson Bros., Coshocton, $38,047; T. J. Norman Sons, West Lafayette, $39,335; same brick (state to furnish brick) T. Mohler Co., Mansfield, $25,163; same plain concrete, Henderson Bros., Coshocton $31,583; T. Mohler Co., Mansfield, $32,014.

Crawford Co., Sect. "K" Columbus-Sandusky Rd., 2.034 mi., brick, D. R. McMichael, Bucyrus, $92,581; E. A. Freshwater & Sons, Painesville, $97,623; Scioto Cnstr. Co., Kenton, $97,644; monolithic brick, E. A. Freshwater & Sons, Painesville, $96,479; D. R. McMicheal, Bucyrus, $99,302.

Sect. "M" and "N" Marion-Bucyrus Rd., 6.705 mi., brick, from Drake, Aller & Sheridan, Worthington, $298 844; E. A. Freshwater, Painesville, $297,108; Dorsey Co., Findlay, $300,600; same paving with monolithic brick, E. A. Freshwater, Painesville, $288,479; Dorsey Co., Findlay, $290,000; W. H. Rungwold Co., Chillicothe, $292,885.

Delaware Co., Sect. "A-1" Delaware-Marysville Rd., 1.1756 mi., bituminous macadam, J. L. Edwards, Sunbury, $32,-196; C. A. Baker, 91 West Goodals St., Columbus, $32,888; C. A. Conley, Columbus, $35,569; same paving with rein.-concrete, E. A. Freshwater, Painesville, $45,556 R. K. McNamara, Delaware, $45,784.

Erie Co., Sect. "B" Lima-Sandusky Rd., 2.573 mi., concrete, A. C. Schultz, 1496 Lincoln Ave., Cleveland, $93,990; Homeberger-Wagar Co., Sandusky, $97,090; A. J. Baltes, Norwalk, $97,241.

Sect. "Q" Sandusky-Norwalk Rd., 0.42 mi., concrete and brick, J. Strauss, Castalia, $18,997; A. J. Baltes, Norwalk, $19,-639; A. C. Schultz, 1496 Lincoln Ave., Cleveland, $20,984.

Fulton Co., Sect. "Delt" Toledo-Wauseon Rd., 0.451 mi., rein.-concrete, LeBriteaux & Hayes, Toledo, $25,506; J. A. Elder, Bryan, $26,385; J. J. Johnson, Napoleon, $26,751.

Greene Co., Sect. "B" Springfield-Jamestown Rd., 6.9 mi., bituminous macadam, (T-1) Connell & Laub Dayton, $175,032; D. W. Botkins & Son, Columbus, $174,-492; W. H. Ringwald, Chillicothe, $176,-978; same paving with bituminous macadam (T-A), T. V. Van Camp, Cincinnati, $170,933; Connell & Laub, Dayton, $175,-032; D. W. Botkin & Son, Columbus, $176,-485.

Hardin Co., Sect. "D" Marysville-Kenton Rd., 1.94 mi., bituminous macadam, (T-1) J. Herzog, Forest, $53,285; R. H. Shafer, Columbus, $57,346; W. Sousley, Ada, $58,-968; bituminous macadam, (A-1) J. Herzog, Forest, $55,515; T. L. Kenton, $57,-545; McArthur Co., Kenton, $58,112.

Sect. "Mt. Victory" Marysville-Kenton Rd., 0.645 mi., bituminous macadam, (T-1) J. Herzog, Forest, $24,662; McArthur Co., Kenton, $23,756; R. H. Shafer, Columbus, $23,823; same paving with bituminous macadam, (A-1) J. Herzog, Forest, $22,-543; McArthur Co., Kenton, $23,756; T. L. Kenton, $24,014.

Harrison Co., Sect. "R" Cadiz-Dennison Rd., 3.765, bituminous macadam on rolled base, tar, Billiter & Oliver Bros., Cincinnati, $141,254; Kane Bros. & Seaborne, Youngstown, $139,026; S. T. Frazer & Sons, Bloomingdale, $136,495; same bituminous macadam, asphalt, Billiter & Oliver Bros., Cincinnati, $137,738; H. W. Curry Co., Columbus, $149,994.

Henry Co., Sect. "B-1" Toledo-Napoleon Rd., 5.287 mi., grading and constructing drainage structures only, Mangerink Bros., Napoleon, $34,113; L. J. Benschotter, Toledo, $35,196; F. Walton Co., Upper Sandusky, $35,279.

Hocking Co., Sect. "A-2" Logan-McArthur Rd., 2.623 mi., grading and constructing bridges and culverts only, Young Engineering Co., Engrs. Bldg., Cleveland, $37,067; Post Constr. Co., Cleveland, $39,-260; A. E. Simpson, Portsmouth, $40,389.

Holmes Co., Sect. "K" Mansfield-Millersburg Rd., 2.178 mi., monolithic brick, T. D. Mohler Co., Mansfield, $47,203; P. Ritter, Belleville, $54,484; F. J. Mann, Ashland, $58,747; same paving with plain concrete, P. Ritter, Belleville, $49,814; G. W. Hadley, Canton, $53,849.

Sect. "L-1" Mansfield-Millersburg Rd., 2.382 mi., grading and constructing drainage structures only, Young Co., Engrs. Bldg., Cleveland, $22,644; Holmes Co., Millersburg, $25,001; T. D. Mohler Co., Mansfield, $26,225.

Jefferson Co., Sect. H-3" Steubenville-Canbridge Rd., 1.044 mi., brick on rolled base, W. E. Payne, Springfield $63,828; G. W. Hadley, Canton, $64,918; Kane Bros., Youngstown, $65,269.

Knox Co., Sect. 'B-1" Mt. Vernon-Newark Rd., 3.39 mi., monolithic brick, Adams Co., Zanesville, $154,066; Phil Ritter, Belleville, $154,327; E. A. Freshwater, Painesville, $156,069.

Lorain Co., Sect. "Oberlin" Oberlin-Norwalk Rd., 0.265 mi., brick, Elyria Constr. Co., Elyria, $13,996; Highway Constr. Co., Elyria, $14.513.

Sect. "H" Hedina-Norwalk Rd., 1.15 mi., concrete, Elyria Constr. Co., Elyria, $23,-849; Aldrich, Allison & Betts, Wellington, $25,291; J. Krasch, Celina, $25,989.

Lucas Co., Sect. "C" Waterville-Swanton Rd., 3.513 mi., two course macadam, J. A. Coon, Swanton, $76,263; A. Langenderfer, Toledo, $77,708; L. J. Boonsholter, Toledo, $80,556.

Monroe Co., Sect. "F" Woodsfield-Sistersville Rd., 2.164 mi., bituminous macadam, (T-1) Sutton Constr. Co., Ashland, $117,-844; Culbertson & Casper, Pleasant City, $119,209; Schalfant Constr. Co., Barnesville, $121,369; same bituminous macadam, (A-1) Sutton Constr. Co., Ashland, $117,-844; Culbertson & Casper, Pleasant City, $119,209; Gatty Constr. Co., Columbus, $121,585.

Morgan Co., Sect. "K-1" McConnellsville-Caldwell Rd., 1.637 mi., bituminous macadam on rolled base, (T-1) L. H. Nixon, Nelsonville, $60,532; O. G. Shafer, Caldwell, $62,043; bituminous macadam on rolled base, (A-1) L. H. Nixon, Nelsonville, $60,-532; Curtis & MacGobghey, McConnellsville, $62,325.

Ottawa Co., Sect. "B-2" and "Port Clinton" Bowling Green Rd., 0.875 mi. plain concrete, E. A. Freshwater, Painesville, $41,880; LaBriteaux Co., Toledo, $41,99?; Porturvy, Keener & Bates, Madison, $41,993.

Paulding Co., Sect. "J" Payne-Hicksville Rd., 3.817 mi., plain concrete, Newell & Davoust, Defiance, $115,002; D. B. Putnam, Antwerp, $119,905; W. J. Dull Bros., Arcanum, $130,480.

Sect. "M" Van Wert-Ottawa Rd., 2.865 mi., macadam, J. S. Blausey, Cloverdale, $89,478; Jos. W. Carey, Ada, $92,786; Acton Bros., Vaughnsville, $93,039.

Sect. "Ottoville" Van Wert-Ottawa Rd., 0.595 mi., macadam, Acton Bros., Vaughnsville, $18,948; L. L. Clymer, Bluffton, $19,-121; Jos. W. Carey, Ada, $19,440.

Ross Co., Sect. "I-1" Chillicothe-Jackson Rd., 0.462 mi., brick, W. H. Ringwald, Chillicothe, $20,971; Caldwell & Weter, Richmondale, $21,472; Rennick & Smith, Columbus, $21,684.

Sandusky Co., Sect. "D-1" Fremont-Bowling Green Rd., 0.42 mi., brick, Modern Constr. Co., Fremont, $22,147; same paving with bituminous concrete, Modern Constr. Co., Fremont, $19,889.

Seneca Co. Sect. "O" Findlay-Tiffin Rd., 1.044 mi., bituminous macadam, (a-1) P. M. Myers, Attica, $30,999; Peter Schultz, Adrian, Mich., $30,920; F. G. Walton Co., Upper Sandusky, $31,306; same paving with bituminous macadam, (T-1) W. H. & H. Souder, Fostoria, $30,874; R. M. Myers, Attica, $30,999; P. Schultz, Adrian, Mich., $31,312.

Sect. "I" Tiffin-Republic Rd., 1.009 mi., bituminous macadam, (A-1) R. M. Myers, Attica, $29,090; W. H. & H. A. Souder, Fostoria, $29,491; J. W. Carey, Ada, $31,-404; same paving with bituminous macadam, (A-1) R. M. Myers, Attica, $29,090; W. H. & H. A. Souder, Fostoria, $29,994; same paving with Kentucky rock asphalt, R. M. Myers, Attica, $34,587; W. H. & H. A. Souder, Fostoria, $38,198.

Tuscarawas Co., Sect. "M" Newcomerstown-Uhrichsville Rd., 3.342 mi., monolithic brick, R. H. Shafer Columbus, $130,281; W. H. Brode Co., Newcomerstown, $140,-847; E. A. Freshwater, Painesville, $140,-207; same paving with bituminous macadam, (T-1) L. W. Russell, West Austintown, $103,638; same paving with bituminous macadam, (A-1) L. W. Russell, West Austintown, $103,638; same paving with plain concrete, R. H. Shafer, Columbus, $120,661; E. A. Freshwater, Painesville, $118,427.

Sect. "Port Washington" Newcomerstown-Uhrichsville Rd., 0.589 mi., monolithic brick, E. A. Freshwater, Painesville, $23,306; W. H. Brode Co., Newcomerstown, $23,516; Henderson Bros., Coshocton, $24-511; same paving with concrete, E. A. Freshwater, Painesville, $20,357; W. H. Brode Co., Newcomerstown, $20,910; Henderson Bros., Coshocton, $22,015.

Warren Co., Sect. "C-1" Columbus-Cincinnati Rd., 4.42 mi., bituminous macadam R. H. Shafer, Columbus, $133,235; J. L. Stone, Norwood, $130,642; J. L. Radebaugh, Montgomery, $129,279; same paving with rein.-concrete, Williams & Little, Cleveland Heights (Cleveland P. O.), $129,916; Connell, Laub & Bracht Dayton, $130,-551; W. Huber, Eaton, $131,996.

Wayne Co., Sect. "C" Millersburg-Wooster Rd., 1.42 mi., monolithic brick, G. W. Hadley, Canton, $65,121; Griggs & Anderson, Millersburg, $66,893; Freshwater Constr. Co., 9807 Madison Ave., Cleveland, $68,928; same paving with concrete, Holmes Constr. Co., Millersburg, $64,439; G. W. Hadley, Canton, $64,439; Summitt Constr. Co., Akron, $66,729.

Williams Co., Sect. "N-2" West Unity-Montpelier Rd., 0.891 mi., bituminous macadam, (A-1) Walter Sousley, Ada, $24-781; Trumbull Constr. Co., Warren, $26,-970; J. A. Elder, Bryan, $27,584.

Sect. "West Unity" West Unity-Montpelier Rd., 320.5 ft. bituminous macadam, (A-1) Trumbull Constr. Co., Warren, $1,680; J. A. Elder, Byra, $1,742; H. E. Pratt Co., Mt. Blanchard, $1,903. Noted July 7.

★**O., Akron**—Dept. Pub. Serv. let contract to McAlonan Bros., improving Beaver St. from East Exchange to Corlev Sts., involving 2,885 sq.yd. brick pavement (cement fill), cost $2.10 per sq.yd., total cost $16,-882; to T. E. McShaffrey Constr. Co., Forge St., Black St. from Exchange to Johnston Sts., 1,225 sq.yd. sheet asphalt pavement (Pl. B.) Texaco, $2, etc., $10,763. also Howes Ave. from West Market St. to Portage Path, 1,915 sq.yd. sheet asphalt pavement (Pl. B.) Texaco, $2, etc., $10,943.

★**O., Cleveland**—City let contract grading, draining, curbing and paving Joan Ave. from West Blvd. to West 105th St., asphalt,

Streets and Roads (Continued)

to Cleveland-Trinidad Paving Co., The Arcade, $18,085; Beck Ave. from East 40th St. to East 44th St., brick, to Garland Bros., c/o Pavers' Exch., $3,293; Behrwalk Ave. from Pearl Rd. to West 35th St., brick, to Roehl Bros., West 25th St. and Clark Ave., $27,216; East 130th St. from Iroquois Ave. to south end., to G. B. Herring, Drexel Ave., $20,287; Helena Ave., to Reiley Bros., The Arcade, $9,409. Noted July 7.

★**O., Cleveland**—City let contract grading and paving grade crossing eliminations along New York, Chicago & St. Louis Ry. from Detroit Ave. to Fulton Rd., to Roehl Bros., West 25th St. and Clarke Ave., $122,877. Noted July 21.

★**O., Cleveland**—Cuyahoga Co. let contract improving Harvard Rd. 3, to E. Gedney, 1216 Addison Rd., $36,716. Noted July 7.

★**O., Columbus**—Franklin Co. let contract grading, building bridges and culverts and paving 2.34 mi. Brown Rd., waterbound macadam, to T. D. Van Camp, 155 West McMillan St., Cincinnati, $57,838.

O., Newburg Heights (Cleveland, P. O.)—Village c/o R. Hecker, engr., Leader-News Bldg., Cleveland, received only bid paving and grading East 52nd St., involving 17,852 sq.ft. brick on 6 in. concrete base, from Enterprise Paving & Constr. Co., 8444 Bway., Cleveland. About $38,000.

★**O., Wellsville**—City let contract paving Lisbon St. and Wells Ave., brick on concrete base, to G. B. Patterson, Wellsville. About $80,000.

★**O., Youngstown**—Comrs. Mahoning Co. let contract paving 2.56 mi. Ginger Hill Rd. near Petersburg, Springfield Twp., concrete, to Turner Contg. Co., 25 East Wood St., Youngstown, $74,520.

★**Mich., Algonac**—Village let contract grading, draining and surfacing Front St., concrete, to J. H. Baker & Sons, Port Huron, $38,172. Noted July 7.

★**Mich., Charlotte**—State Highway Dept. at office Bd. Rd. Comrs. Eaton Co. let contract grading, draining and surfacing 7.185 mi. Federal Aid Project 58, Sect. D, to J. B. Clifford, 14 South Canal St., Chicago. Work involves 54,800 cu.yd. excav., $0.50, 329.5 cu.yd. 1:2:4 concrete, $22, 106.8 cu.yd. 1:2½:5 concrete, $21, 89.6 cu.yd. 1:3:6 concrete, $20, 67,442 sq.yd. gravel. $0.4725. Total cost $76,937. Noted June 30.

★**Mich., Detroit**—City let contracts to Detroit Asphalt Paving Co., 20 McGraw Bldg., paving following avenues: American, $15,370; Anderson, $39,167; Arlington, $49,426; Army, $21,749; Collingswood, $9,553; Charlevoix, $88,282; Cavalry, $43,706; Emmons, $11,853; Ladue, $8,433; Medbury, $9,853; May, $7,019; Monica, $13,715; Montclair, $34,017; Piquette, $21,451; Prairie, $40,553; Raymond, $6,639; Stoepel, $16,615; Stair, $24,925; Woodside, $19,952; Cleveland Trinidad Paving Co., 402 Hammond Bldg., Baylis., $45,603; Highland, $4,605; Lawrence, $22,738; Sturtevant, $24,230; Taylor, 33,373. Noted July 21.

★**Mich., Detroit**—City let contract to Liberty Constr. Co., 917 Chamber of Commerce building Lateral 3457, $8,900; A. Arcari, 400 Penobscot Bldg., Lateral 3458, $12,746, Lateral 3485, $8,427, Lateral 3486, $8,063; L. Kevorkian, 400 Penobscot Bldg., Lateral 3465, $6,402, Lateral 3483, $13,732; H. Fortuna, 4422 St. Aubin Ave., Lateral 3466, $5,400; Oakwood Constr. Co., 165 Fort Bldg., Lateral 3470, $21,000; Western Constr. Co., 1208 Ford Bldg., Lateral 3471, $29,589, Lateral 3493, $23,349; R. D. Baker, 1631 Elmhurst Ave., Lateral 3473, $9,590, Lateral 3475, $4,500, Lateral 3487, $7,000; Detroit Contg. Co., 827 Ford Bldg., Lateral 3488, $7,652. Noted July 14.

★**Mich., Flint**—State Highwy Dept., at office Bd. Rd. Comrs. Genesee Co., let contract grading, draining and surfacing 4.969 mi. State Trunk Line Rd. 54, Sect. B, to G. A. Burley Co., Flint. Work involves 18,982 cu.yd. excav., $0.85, 38.9 cu. yd. 1:2:4 concrete, $20, 109.6 cu.yd. 1:3:6 concrete, $18, 79 catch basins, $65 each, 52,353 sq.yd. bituminous concrete pavement, $3, etc.; total cost, $205,406. Noted June 30.

★**Mich., Hamtramck**—(Detroit P. O.)—Village let contract to Lennane Bros., 2631 Woodward Ave., paving Dequindre St. from Carpenter to Caniff Aves., $82,838, 6,677 sq.yd. Dequindre St. from Poland to Caniff Aves., $62,300, 7,727 sq.yd. Caniff Ave. from Jos. Campau to Conant Aves., $72,589.

★**Mich., Holly**—Village let contract grading, draining and surfacing Maple and Saginaw Sts., involving 1,729 cu.yd excav., 4,690 sq.yd. bituminous concrete, to Bartling & Dull, Pontiac, $37,323. Noted June 30.

★**Mich., Marshall**—State Highway Dept. at office Bd. Rd. Comrs. Calhoun Co., let contract grading, draining and surfacing 2.574 mi. Federal Aid Project 58, Sect. A, involving 24,341 cu.yd. excav., 24,160 sq.yd. gravel, to A. J. Hoffman, North Adams, $25,794.

★**Mich., Pontiac**—State Highway Dept. at office Bd. Rd. Comrs. Oakland Co. let contract grading, draining and surfacing State Trunk Line Rd. 87-1, to Bartling & Dull, Pontiac. Work involves 4,179 cu.yd. excav., $0.85, 20,484 sq.yd. bituminous concrete, $307. Total cost $67,529. Noted June 30.

★**Mich., Port Huron** — State Highway Dept. at office Bd. Rd. Comrs. St. Clair Co., let contract grading, draining and surfacing, 1.886 mi. State Trunk Line Rd. 2716, Sect. B, to J. H. Baker & Sons, Port Huron. Work involves 4,635 cu.yd. excav., $0.85, 22,077 sq.yd. concrete, $2.42. Total cost $57,792. Noted June 30.

★**Mich., St. Johns**—State Highway Dept. at office Bd. Rd. Comrs. Clinton Co. let contract grading and draining State Trunk Line Rd. 14-33, 5.753 mi. Sect. B, to Kimmel, Hochle & Co., Jackson, $28,476; 4.64 mi. Sect. C, to Steers & Shumway, Kalamazoo, $20,879; 5.593 mi. Sect. D, to Petersen & Allen, Midland, $15,784.

★**Ill., Centralia**—City let contract grading and surfacing in Melrose Paving Dist., 40 ft. wide, asphalt, to Concord Constr. Co., East St. Louis, $96,906. Noted July 14.

★**Ill., Danville**—City let contract paving 17,500 sq.yd. Vermillion St., asphalt, to J. W. Bushnell, Peoria, $52,500.

★**Ill., Robinson**—City let contract paving various streets, brick on concrete base, to Barnes & Verley, Effingham, $29,365.

★**Wis., Oshkosh**—Winnebago Co. State Rd. and Bridge Comn. let contract surfacing 1.59 mi. Oshkosh-Winneconne Rd., to Lampert Constr. Co., Oshkosh, $40,480; 3,937 lin.ft. Waverly-Bench-Menosha Rd., to Gruenke Bros., Appleton, $17,373. Noted July 7.

★**Wis., West Allis**—City let contract rein.-con. paving 48th, 53d, 61st (sections), 66th and 67th Aves., to Milwaukee Genl. Constr. Co., 857 8th Ave., Milwaukee. Noted July 21.

★**Ia., Decorah**—Winneshiek Co. let contracts grading 14.02 mi. Federal Aid Project 98, Sects A and B, to W. R. Shipman Constr Co., Sioux City, 142,708 cu.yd. earth excav., $0.43 per cu.yd.; 10,513 cu.yd. solid rock, $2; 6,269 cu.yd. loose rock, $1.20; to North Iowa Brick & Tile Co., Mason City, furnishing 46,468 lin.ft. 6 in. tile, $0.061 per lin.ft., 580 lin ft. 12 in. tile, $0.211; to Mankato Constr. Co., Mankato, Minn., installing tile, 6 in. $0.091 12 in., $0.12.

★**Ia., Kenwood Park**—City let contract paving 1st Ave., 3 in. vertical fibre brick on 5 in. concrete base, to P. P. Smith, 1600 Washington Ave., Cedar Rapids, $4.88 per sq.yd., total $46,790; curbing, guttering and paving with concrete, 1st St., to Hahn Constr. Co., 106 2d Ave., Cedar Rapids, $2.86 per sq.yd., total $17,000. Noted June 9.

★**Ia., Sac City** — Sac Co. let contract graveling roads in Dist. 7, to Chrissy Bros., Storm Lake, $35,384; Dist. 8, to E. Nelson, Lake View, $45,670. Noted June 23.

Minnesota—State Highway Comn., 920 Guardian Life Bldg., St. Paul, received bids July 20, improving 4 mi. State Project 7-27, between Lewiston and Stockton, Federal Aid Project 96, Winona Co., from Siems, Helmers & Schaffner, 514 Guardian Life Bldg., St. Paul, $60,027, Cramer Constr. Co., 503 Pioneer Bldg., St. Paul, $62,964, Campbell Constr. Co., 3050 Hannepin Ave., Minneapolis, $63,141; 10 mi. State Project 9-22, from Fairmont to east Martin Co. line, Federal Aid Project 228, Martin Co., from C. K. McNamara, Bristol, S. D., $37,331, Hoyt Constr. Co., Fairmont, $41,754, Nelson, Fulton & Nelson, Plymouth Bldg., Minneapolis, $41,858; 23.4 mi. State Project 9-23, Federal Aid Project 224, Jackson and Nobles Counties, from G. W. Humphrey, 512 South State St., Aberdeen, S. D., $82,165, J. J. and M. S. Mergens, Globe Bldg., Minneapolis, $92,015, Nelson, Fulton & Nelson, Plymouth Bldg., Minneapolis, $94,622; 25 mi. State Project 9-24, between Blue Earth and Banks, Faribault Co., from Cramer Constr. Co., 503 Pioneer Bldg., St. Paul, $67,972, Reader & Gellman Trucking Co., 209 Kasota Bldg., Minneapolis, $71,397, S. J. Peterson, 300 West Lake St., Minneapolis, $73,014; State Project 10-34, between Howard Lake and Delano, Federal Aid Project 30, Wright Co., from Dobbelman & Rasmussen, 4232 Colfax Ave., S., Minneapolis, $34,141, J. L. Mowry, 2342 Bourne Ave., St. Paul, $34,880, S. J. Peterson, 300 West Lake St., Minneapolis, $37,747, tile on above project from J. Jorgensen, Estherville, Ia., at $4,332; grading and building culverts on 8 mi. State Project 54-22, near Herman, Federal Aid Project 225, Grant Co., grading from Reierson & Nohre, Thief River Falls, $17,916, C. K. NcNamara, Bristol, S. D., $21,575, Nelson, Fulton & Nelson, Plymouth Bldg., Minneapolis, $21, 705, culverts, from Western Bros., Herman, $5,250, Morris Constr. Co., Morris, $5,935. Noted July 7.

★**Minn., St. James**—City let contract paving 12 blocks various streets, cement, to Johnson, Drake & Piper, 912 Plymouth Bldg., Minneapolis, $3.10 per sq.yd. Noted June 16.

Minn., St. Paul—City received bids repaving with sheet asphalt West 7th St. from Seven Corners to Tuscarora Ave., from Fielding & Shepley, 216 West University Ave., $63,900; White Constr. Co., 205 Dakota Bldg., $84,000. Noted July 14.

★**Kan., Manhattan**—City let contract paving various streets, involving 3,000 yd. vertical fiber brick 670 sq.yd. plain concrete, 1,200 lin.ft. combined curbing and guttering, 1,000 cu.yd. excav., to M. R. Amerman, Wichita, $240,591. Noted Apr. 28.

★**Mo., Genevieve**—St. Genevieve Co. let contract grading and draining various roads, to S. P. Reynolds, Caruthersville, $26,348.

★**Mo., Marysville**—Nodaway Co. let contract grading and draining Project 20.33, to G. W. Korrell, Savannah, $29,102. Noted July 7.

★**Tex., Brenham**—Washington Co. let contract clearing, grubbing, grading and draining 16.81 mi. Austin-Huston Highway 20, from here to Fayette Co. line and 14.14 mi. Highway 20, from here to Waller Co. line, to Smith Bros., Crockett, $447,651 and $361,845 respectively. Noted July 21.

Tex., Canyon City—City received bids grading, paving and draining Houston, Evelyn, West and East 1st Streets, involving 8,915 sq.yd. 3 in. vertical fibre on 5 in. concrete base, etc., from Panhandle Constr. Co., Lubbock, $40,026; Jordan Constr. Co., Plainview, $40,585; O. E. Willmering, Amarillo, $40,976. Noted June 30.

★**Tex., McKinney**—Collin Co. let contracts grading and draining 11.83 mi. roads in Frisco and Blue Ridge Dists. work involving 76,215 cu.yd. borrow excav., 46.13 cu.yd. Class A and 169.5 cu.yd. Class B concrete, 6,948 lb. reinforcing steel, 3,240 cu.yd. excav., etc., to Hunn, Hallman & Mayo Bros., McKinney, $25,974, including 10% for engineering and contingencies; clearing, grubbing and draining 15.03 mi. Rd. Contr. 17, Plano Dist. 29, involving 88,550 cu.yd. borrow embankment, 69.5 cu.yd. Class A and 230.4 cu.yd. Class B concrete, 735 cu.yd. earth and 575 cu.yd. loose rock excav., 9,854 lb. reinforcing steel, etc., to Hunn, May Bros. & Rainey, McKinney, $24,018. Noted June 30.

★**Tex., Wichita Falls**—Wichita Co. let contract paving with concrete 2.84 mi. Iowa Park Rd., and 3.06 mi. Electra-Vernon Rd., 18 ft. wide, to C. E. Zimmerman, Wichita Falls. About $91,000 and $34,232 respectively.

★**Colorado**—State Highway Comn., Denver, let contracts grading and draining 1.05 mi. Ouray-Silverton Rd., Federal Aid Project 102, Fremont Co., to L. M. Spencer, 4810 West 38th Ave., Denver, $28,629; 2.135 mi. San Louis-Ft. Garland Rd., Federal Aid Project 180, Costello Co., to C. Carlson, San Acacio, $10,571; 5.097 mi. Buena Vista Divide, Federal Aid Project 54, Chaffee Co., to Gordon Constr. Co., Barclay Bldg., Denver, $74,816; gravel surfacing 8.78 mi. Cheyenne Wells North Rd., Federal Aid Project 51, Cheyenne Co., to Morrison & Crossen, Sterling, $21,675; 3.2 mi. Sapinero-Gunninson Rd., Federal Aid Project 172, Gunninson Co., to Girardet & Hotchkiss, Delta, $33,828; concrete paving 4.772 mi. Denver-Ft. Lupton Rd., Federal Aid Project 148, Adams and Weld Counties, to A. Dobie, Sterling, $135,132; 0.806 mi. Grand Junction-Fruita Rd., Federal Aid Project 184, Mesa Co., to Rogers Bros., Florence, $29,769; 2.078 mi. road between Greeley and La Salle, Federal Aid Project 146, Weld Co., to H. R. Phillips, 2605 East 14th Ave., Denver. $66.337; sandclay sur-

Streets and Roads (Continued)

facing 9.875 mi. Limon-Genoa Rd., Federal Aid Project 111, Lincoln Co., to E. Lindsey, 1655 Market St., Denver, $43,796; 3.38 mi. Limon-Mattison Rd., Federal Aid 127, Lincoln Co., to Pickering Bros. Constr. Co., Salt Lake City, Utah, $24,767; 3.296 mi. Colorado Springs-Florence Rd., Federal Aid Project 94, El Paso, to E. Honnen, Colorado Springs, $28,123; shale surfacing 2.698 mi. Bible-Meeker Rd., Federal Aid Project 187, Rio Blanco Co., to H. Shore, Steamboat Springs, $18,466. Noted July 7.

★**Wash., Seattle**—King Co. let contract paving 1¼ mi. Kent-Black Diamond Highway, involving 15,800 sq.yd. concrete, to Yakima Paving Co., Yakima. About $38,000.

★**Wash., Seattle**—City let contract grading East 40th St., et al., involving 900 lin. ft. concrete curbing and 180,000 cu.yd. earth excav., to J. L. Smith, Pioneer Bldg., $27,807. Noted July 21.

Wash., Seattle—City received bid July 8, grading and paving 15th Ave., N. et.al., involving 74,400 sq.yd. 6-7 in. concrete and 20,600 cu.yd. earth excav., from Fiorito Bros., New York Blk., $223,463. About bid rejected and new bids to be called.

California—State Highway Comn., 515 Forum Bldg., Sacramento, received bids July 18 paving (1) 10.34 mi. state highway between Upton and south boundary, Siskiyou Co., involving (a) 13,442 cu.yd. Class A Portland cement concrete or alternate (b) 33,750 ton broken stone (c) 487 ton asphalt Grade E, (2) 15.97 mi. between Cloverdale and Healdsburg, Sonoma Co., (a) 60,000 cu.yd. excav., (b) 1,670 cu.yd. Class A Portland cement concrete (c) 23,500 cu.-yd. Class A Portland cement concrete, from H. J. Kaiser, 2466 4th Ave., Seattle, Wash., (1a) $13.95 (1b) $5.90 (1c) $3.50 total on rein.-con. base $187,516, on bituminized macadam base $200,830, (2a) $1 (2b) $15 (2c) $9, total $299,938; Healy-Tibbits Constr. Co., 9 Main St., San Francisco, (1b) $5.89 (1c) $17 total bituminized macadam base, $207,067, (2a) $1,165 (2b) $22.30 (2c) $9.44 total $334,122; R. C. Storrie & Co., Crocker Bldg., San Francisco, (1a) $15 (1b) $5.50 (1c) $20 total on rein.-con. base $201,-620 on bituminized macadam base $195,365; A. J. Fairbanks, Willits, (2a) $1.20 (2b) $27.50 (2c) $9 total $333,557. Noted July 7.

★**Cal., San Diego**—San Diego Co. let contract paving Mission Rd. 1-B, 5 in. concrete, to G. R. Daley, McNeece Bldg., $92,737.

★**Ont., St. Marys**—Town let contract building concrete pavements on Queen St., to Curran & Briggs, St. Marys. About $185,000.

★**Ont., York**—Twp. let contracts to Archibald Constr. Co., 122 Delaware Ave., Toronto, building 5,200 sq.yd. concrete sidewalks on Forest Hill Rd., Mayfair Ave., and Strathcona Blvd., $16,000; E. G. Law, 107 Hillsdale Ave., Toronto, St. Leonards Ave., macadam, $1,400; Britnell Contg. Co., Baxter St., Toronto, Delevan St., macadam, $10,000; Kilmer & Barber, 10 Adelaide St., Toronto, paving 5,100 sq.yd. Forest Hill Rd., asphalt on concrete base, $25,000.

Industrial Works

PROPOSED WORK

Me., Greenville—Great Northern Paper Co., Exch. Bldg., Bangor, having plans prepared by Crowell & Lancaster, archts., Exch. Bldg., Bangor, for large 2 story, rein.-con. repair shop.

Me., West Pownal—State School for Feeble Minded receives bids Aug. 1 building 1 story, 45 x 73 ft. brick and concrete central heating plant. About $70,000. S. E. Vosburgh, supt. R. D. Kimball Co., 6 Beacon St., Boston, engrs.

Mass., Malden (Boston P. O.)—Potter Drug & Chemical Corp. having plans prepared by Lawrence & Wambolt, archts., 6 Beacon St., Boston, for 2 story, 50 x 85 ft. brick factory, concrete flooring. About $40,000.

Mass., Springfield—City plans to build 2 story, brick and concrete garage and repair shop, on Summer St. About $75,000. F. H. Clark, city engr.

Mass., Springfield—O. P. Thompson, 145 State St., does not plan to build 8 story, 100 x 190 ft. rein.-con. garage, as stated in our issue of July 14.

Conn., Thompsonville—Bigelow-Hartford Carpet Co., 58 Main St., plans to construct large brick, steel and rein.-con. plant, on North School, Tariff and West Sts. Architect not announced.

Md., Baltimore—M. L. Himmel & Son, 107 North Frederick St., soon receive bids building 5 and 7 story, 100 x 400 ft. factory, on Frederick and Warwick Aves. About $150,000. O. G. Simonson, Maryland Casualty Bldg., archt.

Pa., Altoona—J. Kazmaier, Germania Brewery, 1808 9th Ave., having plans prepared by Miller & Rider, archts., 1510 18th St., for 2 story, 50 x 60 ft. and 80 x 80 ft., ice plant, brick, on 9th Ave. About $75,000.

Pa., Phila.,—T. F. Miller, archt., 1012 Walnut St., receives bids within 3 weeks building 3 story, concrete, brick and steel bakery and power plant, for Logan Baking Co., c/o architect.

Pa., Williamsport—C. A. Reed & Co., Laurel and Willow Sts., purchased 10 acre tract east of here and plans to build factory.

N. C., Dunn—See "Miscellaneous."

O., Cleveland—Y. Huml, Benham Ave. and East 131st. St., had plans prepared by F. Hronek, archt., 3584 East 131st St., for 2 story, 50 x 140 ft., brick and steel garage, brick foundation, on East 131st St. and Bartlet Ave. About $40,000.

O., Kenmore—Palmer Match Co., recently incorporated, plans to build match factory. About $500,000. C. H. Palmer, official.

Wis., Milwaukee—H. Kaufman, 1218 Fond du Lac Ave., opens bids about Aug. 4, building 2 story, 40 x 60 ft. brick and concrete garage, rein.-con. flooring, concrete foundation, on Fond du Lac St. About $40,000. W. G. Memmler, 1020 21st St., archt.

Wis., Milwaukee—Thoringer & Bruecker, archts., 3328 State St., opens bids about Aug. 3, building 1 story, 60 x 120 ft., brick, concrete and steel garage and repair shop, rein.-con. flooring, concrete foundation, on West Side. About $50,000. Owners name withheld.

Wis., Neenah—Valley Paper Mills, East Wisconsin Ave., having plans prepared by E. A. Wettengel, archt., 578 Pierce Ave., Appleton, for 2 story, 80 x 555 ft. rein.-con., brick and steel mill, rein.-con. flooring, concrete foundation. Noted June 23.

Minn., Minneapolis—Haas Plumbing Co., 723 6th Ave., N., having plans prepared by Liebenberg, Kaplan & Martin, archts., 617 McKnight Bldg., for 5 story, 117 x 120 x 168 ft., rein.-con., brick and tile factory on 7th St. N. and Bradford Ave. About $150,000.

Mo., Clarence—A. Burnett, c/o Clarence Auto Co., plans to build 1 story, brick and steel auto repair shop. About $45,000. Architect not selected.

Mo., Lutesville—C. Alexander plans to build electric light plant. About $75,000. Private plans.

Tex., Dallas—E. D. Knight, 3617 Cedar Springs St., soon let contract building 5 story, 116 x 153 ft. rein.-con. warehouse. F. J. Woerner, Sumpter Bldg., archt.

Okla., Miami—F. Statton plans to build 2 story, brick garage on Main St. About $50,000. Architect not selected.

Ont., Chatham—Lorne Tractors Ltd. having plans prepared and receives bids about Aug. 15, building addition to plant. About $150,000. Prices wanted on all materials. W. A. Greene, c/o owner, engr.

Ont., London—London Dist. Milk Producers, R.R. 2, Wilton Grove, plans to build cooperative dairy, in East London. About $250,000. J. C. Nichol, pres. Private plans.

BIDS DESIRED

Mass., Shirley—Until Aug. 2, by Densmore & Le Clear, engrs., 88 Broad St., Boston, building 1 and 2 story, 35 x 140 ft. brick kitchen and laundry, for State Industrial School, here. About $65,000.

N. Y., Ithaca—Until Aug. 18, by C. D. Bostwick, comptroller, Cornell University, constructing dairy industry building. L. F. Pilcher, Capitol, Albany, state archt.; advertised in this issue.

Pa., Pittsburgh—Oberndorf Mfg. Co., 7509 Thomas Blvd., receiving bids building 1 story, 160 x 200 ft. concrete, brick and steel factory on Thomas Blvd. and Richland St. About $90,000. W. G. Wilkens Co., Westinghouse Bldg., archts.

O., Cleveland—Bryant Automobile Co., 3191 West 25th St., receiving bids building 3 story, 80 x 180 ft., brick, steel and concrete garage, rein.-con. flooring, brick and concrete foundation, on West 25th St. near Clark Ave. About $100,000. P. Matzinger, Caxton Bldg., archt. Noted Jan. 27.

O., Cleveland—A. Horwitz, Society for Savings Bldg., receiving bids building 1 story, 90 x 112 ft., brick and steel garage, brick foundation, on East 70th St. and Carnegie Ave. About $40,000. A. F. Janowitz, Permanent Bldg., archt. Noted Jan. 13.

O., Cleveland—Until Aug. 3, by J. Spang Baking Co., 2711 Barber Ave., building 2 and 3 story, 78 x 113 ft., brick and steel factory, brick foundation. About $100,000. E. Huberty, 8017 Whitehorn Ave., archt. Noted Aug. 19.

Ill., Herrin—Until Aug. 2, by Illinois Central R.R. care of C. H. Markham, pres., 135 East 11th St., Chicago, building 1 story, 60 x 200 ft. brick and steel engine house and machine shop, here. About $60,-000. D. T. McLaughlin, 109-12th St., Chicago, archt. Noted July 14.

N. D., Dickinson—Until Aug. 9, by State Bd. of Administration, c/o C. Liessman, Secy., Bismarck, building power plant at Normal School, here. About $40,000. Keith & Kurke, Fargo, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Portland**—S. J. Shatz, Bracket St., let contract building 2 story, 50 x 126 ft. brick garage, to F. W. Cunningham & Son, Congress St. About $60,000.

★**Mass., Brighton**—(Boston P. O.)—F. Diliberto, 34 School St., Boston, let contract building 1 story, 85 x 180 ft. and 40 x 40 ft. garage and repair shop, brick, concrete and steel, rein.-con. flooring, concrete foundation, on Brighton Ave., here, to N. Hurwitz, 294 Washington St., Boston. About $80,000.

★**Mass., Dorchester** (Boston P. O.)—Berch & Cadigan, 130 Shawmut Ave., Boston, let contract building 1 story, rein.-con. and steel garage, rein.-con. flooring, concrete foundation, on Norfolk St., here, to N. Hurwitz, 294 Washington St., Boston. About $85,000.

★**Mass., Hyde Park** (Boston P. O.)—Tileston & Hollinsworth, 49 Federal St., Boston, let contract building brick and steel addition to factory, on River St., to Aberthaw Constr. Co., 27 School St., Boston. About $40,000.

★**Mass., New Bedford**—Sterling Roofing Co., Main St., let contract building 1 story, 75 x 150 ft. rein.-con. factory, to E. S. Butterfield Co., 88 Broad St., Boston. About $45,000.

★**Mass., Springfield**—H. Huck, 38 Hampden St., let contract building 3 story, 51 x 113 ft. brick and steel warehouse, concrete foundation, to J. G. Roy & Son Co., 21 Silver St. About $75,000.

★**R. I., Providence**—M. Silverman, 226 Public St., will build 1 story, brick, concrete and steel garage, rein.-con. flooring, concrete foundation on Broad St. About $40,-000. Work will be done by day labor.

★**R. I., Providence**—Ward Baking Co., 461 Eddy St., let contract building 2 story, 50 x 115 ft. rein.-con. bakery addition, to O. D. Purington & Co., 626 Independent Trust Bldg. About $50,000. Noted Feb. 3.

★**R. I., West Warwick**—Pawtucket Valley Dyeing Co., Phenix, let contract constructing 1 story, 50 x 900 ft. brick finishing building and dye house, concrete flooring, here, to H. Wales Lines Co., West Warwick. About $75,000.

★**Conn., Ansonia**—Ansonia O. & C. Co., 153 Main St., let contract building 2 story, 75 x 125 ft. rein.-con. factory, to Aberthaw Constr. Co., 27 School St., Boston. About $250,000. Noted June 30.

★**Conn., East Hartford** (Hartford P. O.)—S. A. Miner, 7 Spruce St., Hartford, let contract building 1 story, 100 x 150 ft. brick and concrete garage, rein.-con. flooring, concrete foundation, on Connecticut Blvd., here, to Austin Co., 217 Bway., New York City. About $65,000.

Conn., Hartford—Bd. Health and Charity Depts. received bids July 19, building 2 story, 43 x 63 ft. brick and concrete heating plant and laundry, two 68 x 204 ft. rein.-con. tunnels and one 25 x 65 ft. concrete coal bunker, on Holcomb St., from Garrity & Crowley, 847 Main St., $49,125; Bent-

Industrial Works (Continued)

Hartlett Co., 43 Ann St., $51,350; G. Cudemo, 327 Trumbull St., $51,500. Noted July 14.

★**Conn., Hartford**—Graphic Arts Co., 74 Union Pl., let contract building 3 story, 60 x 82 ft. printing plant, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, on High St., to Lawrence & Coe Constr. Co., 327 Trumbull St. About $75,000. Noted June 30.

★**Conn., Hartford**—L. H. Motors Co., 98 High St., let contract building 2 story, 32 x 90 ft. brick, concrete and steel garage, rein.-con. flooring, concrete foundation, to Lawrence & Coe Constr. Co., 327 Trumbull St.

★**Conn., New Haven**—United Illuminating Co., 84 Temple St., let contract building 2 story, 60 x 65 ft. brick and rein.-con. addition to power plant and constructing 2 rein.-con. coal bunkers, on Grand Ave., to Standard Constr. Co., 153 Court St.

★**N. Y., New York**—P. Lorillard Co., 119 West 40th St., let contract building 4 story, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, to Turner Constr. Co., 244 Madison Ave. About $500,000. Noted July 7.

★**O., Cleveland**—H. C. Bishop & Co., archts. and engrs., Guardian Bldg., let contract to C. A. Carson Co., Euclid-71st St. Bldg., constructing 1 story, 40 x 75 ft., brick and steel power plant, brick foundation, at 3825 Cedar Ave., for Telling-Belle-Vernon Co., 3825 Cedar Ave. About $50,000. Noted July 14.

★**O., Lakewood** (Cleveland, P. O.)—City Ice & Fuel Co., Cadillac Bldg., let contract building 1 story, 34 x 129 ft., brick and steel plant, brick foundation, at 2266 Warren Rd., to Younger & Farmer, 1670 Crawford Rd. About $40,000.

★**O., Massillon**—Ladel Mfg. Co. let contract building 1 story, 90 x 300 ft., brick and steel factory, brick foundation, to Boldt Constr. Co., 5902 Euclid Ave., Cleveland. About $150,000.

★**Wis., Green Bay**—Investment Corp. let contract building 4 story, 100 x 200 ft. cold storage plant, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to L. M. Hansen Co., 113 West Walnut St. Cost between $75,000 and $100,000.

★**Wis., Lena**—J. W. Bassett will build 1 story, 60 x 120 ft. brick and steel garage, rein.-con. flooring, concrete foundation. About $40,000. Owner will build by day labor. Noted March 10.

★**Wis., Milwaukee**—Prime Mfg. Co., 97 Wisconsin St., let contract constructing 3 story, 42 x 50 ft., rein.-con. and tile storage and office building, rein.-con. flooring, concrete foundation, on Clinton St., to H. A. Kroening, 893 Layton Blvd. About $40,000.

★**Ia., Camp Dodge** (Herrold P. O.)—Pearse, Robinson & Sprague, archts. and engrs., 1024 Grand Ave., Des Moines, let contract to J. Benson Constr. Co., 422 V. N. B. Bldg., Des Moines, constructing 1 story, 110 x 324 ft. motor transport building, concrete and steel, for State, c/o L. G. Lasher, adjutant general, State House, Des Moines. About $47,950. Noted July 7.

★**Ia., Des Moines**—Iowa Corn Products Co. let contract building 4 story, 100 x 140 ft. factory and power plant, on 30th St., to Folwell Ahlskog Co., 332 South Michigan Ave., Chicago, cost plus percentage basis.

★**Minn., Minneapolis**—D. C. Thwing, 945 Andrus Bldg., let general contract constructing 2 story, 70 x 152 ft., rein.-con., brick and tile garage and sales building at 1315 LaSalle Ave., to H. N. Leighton Co., 127 South 10th St. About $60,000. Noted May 19.

★**Kan., Pittsburg**—Fabler Bros. let contract building 1 story, 92 x 94 ft. brick warehouse, rein.-con. flooring, concrete foundation, near Bway., to A. Messenger, Pittsburg. About $250,000.

Buildings

PROPOSED WORK

Mass., North Adams—School and Gymnasium—School Dept. rejected bids building 2 story, 90 x 127 ft. brick and steel, rein.-con. flooring, concrete foundation, on State St. About $150,000. Project postponed for time being. Noted July 7.

Mass., Southbridge—High School—School Bd. Com. rejected bids building 2 story, 90 x 140 ft. brick and steel addition to Mary E. Wells School, on Pine St. About $200,000. Project postponed. Appleton & Stearns, 53 State St., Boston, archts. Noted June 9.

Mass., West Springfield (Springfield P. O. Bldg.)—Bank—West Springfield Trust Co. having plans prepared by C. A. Whitten, archt., 940 Massachusetts Ave., Cambridge, for 2 story, 64 x 80 ft. brick, steel and stone, rein.-con. flooring, concrete foundation, on Elm St.

Mass., Worcester—Church—First Unitarian Church, Main St., having plans prepared by J. D. Leland & Co., archts., 41 Mt. Vernon St., Boston, for brick, stone and steel. About $150,000.

Mass., Worcester—Club—B. P. O. E., 29 Elm St., plans to build 2 story fireproof addition to club. About $150,000. Architect not announced.

Conn., Bridgeport—School and Hall—St. Patrick's Roman Catholic Parish, 865 North Ave., having plans prepared by G. A. Zunner, archt., 182 High St., Hartford, for 3 story, 70 x 132 ft. brick, concrete and steel, on Gem Ave. About $150,000.

Conn., Greenwich—High School—Bldg. Com., 325 Greenwich Ave., having plans prepared by Guilbert Betelle, archts., 2 Lombard St., Newark, N. J., for 3 story, brick, concrete and steel, on Main St. About $1,000,000. G. E. Searn, chr.

Conn., Manchester—Church—South Methodist Church, 829 Main St., having preliminary plans prepared by A. E. Hill, archt., Westminster St., Providence, R. I., for 1 story, brick, stone and steel. About $150,000. G. E. Keith, chn. cm.

Conn., Middletown—Pavilions—Connecticut Hospital for Insane, South Farms St., plans to build two 2 story, brick and steel. About $150,000. Architect not selected.

Conn., New Haven—Museum—Peabody Museum, c/o Day & Klauder, archts., 925 Chestnut St., Philadelphia, Pa., having plans prepared for large 3 story, brick, marble, steel, stone and concrete, on Elm St.

Conn., New London — Business — F. H. and A. H. Chappell Co., 286 Bank St., having plans prepared by Biederbeck & Langdon, archts., Barrows Bldg., remodeling 4 story, 88 x 100 ft. concrete and steel, on Bank St. About $150,000.

Conn., Norwalk — Club—Norwalk Boys' Club Comn., 100 Washington St., plans to build 3 story, brick and concrete, on West Ave. J. H. Light, chn. Architect not selected.

N. Y., New York—Apartment—J. and S. Golding, c/o Rouse & Goldstone, archts. an engrs., 512 5th Ave., having plans prepared for 13 story, 100 x 300 ft., brick, steel and stone, concrete foundation, on 90th St. between Bway. and Amsterdam Ave. About $750,000.

N. Y., New York—Bank and Office—New York Exch., 107-111 Hanover Sq., having sketches made by D. Barber, archt. and engr., 101 Park Ave., for 23 story, 90 x 115 ft., brick, steel and stone, concrete foundation. About $2,250,000.

N. Y., New York—Office—Forty-Fifth and Forty-Sixth St. Corp., c/o Warren & Wetmore, archts., 16 East 47th St., having plans prepared for 9 story, brick, steel and stone, concrete foundation, at 17 East 45th St. About $250,000.

N. Y., New York—Apartment—M. Dreicer and M. Van Buren, c/o J. E. R. Carpenter, archts. and engrs., 681 5th Ave., had plans prepared for 9 story, brick, steel and stone, concrete foundation, on 95th St. near 5th Ave. About $350,000.

N. Y., New York—Office—Estate of E. Charles, 331 Madison Ave., had plans prepared by C. I. Berge, archt. and engr., 331 Madison Ave., for 6 story, 45 x 100 ft., brick, steel and stone, at 42 East 43rd St. About $150,000.

N. Y., New York—Office—Pershing Sq. Bldg. Corp., c/o J. Sloan, archt. and engr., 570 5th Ave., soon receives bids building 24 story, brick, steel and stone, at Pershing Sq., 42nd St. and Park Ave. About $5,000,000. Noted Mar. 17.

N. J., Belleville (Newark P. O.)—Bank and Office—Home Building & Loan Assn. having plans prepared by C. B. Jones, archt. and engr., 280 Bway., New York City, for 2 story, 24 x 24 ft. brick, steel and stone concrete foundation, on Washington Ave. About $150,000.

N. J., West Hoboken—Bank—Hudson Trust Co., 51 Newark St., Hoboken, having plans prepared by W. L. Stoddard, archt. and engr., 9 East 40th St., New York City, for 2 story, 100 x 150 ft., brick, steel and stone, concrete foundation, on Bergenline Ave. and Hackensack Plank Rd. About $150,000.

Pa., Mahanoy City—Bank—B. R. Stevens, archt., 1737 Filbert St., Phila., receives bids about Aug. 1, building 1 story, 25 x 125 ft. concrete, brick and steel, rock foundation, on Center and Main Sts., here, for Union Natl. Bank. About $150,000.

Pa., Phila.—Office—L. B. Rothchild, archt., 1225 Sansom St., receives bids about Aug. 1, building 10 story, 50 x 100 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at 113-115 South Broad St., for Heyman & Bros., c/o architect.

Pa. Reading—Hospital—Reading Hospital, Front and Spring Sts., had plans prepared by E. A. Stevens, archt., 9 Park St., Boston, Mass., for 4 story, 32 x 74 ft. concrete, brick and steel, rein.-con. flooring concrete foundation, on Front and Mulberry Sts.

Del., Claymont—High School—Bd. Educ. had plans prepared by Coffin & Coffin, archts. and engrs., 52 25th Ave., New York City, for brick, steel and stone. About $300,000.

Md., Baltimore—Dormitories—John Hopkins University, University Parkway, having revised plans prepared by E. L. Palmer, archt., 1620 Munsey Bldg., 3 story, rein.-con. and steel, concrete foundations, at Homewood. Architect to take bids in fall. About $250,000. C. L. Reeder, Park Ave. and Saratoga St., engr.

Md., Baltimore—Hospital—South Baltimore General Hospital, 1213 Light St., having preliminary plans prepared by H. C. Jory, archt., 1408 Munsey Bldg., for 3 story addition, on Light St. near West St. Architect to take bids in September. About $250,000.

Md., Baltimore—Memorial—State Memorial Comn., Chamber of Commerce Bldg., plans to build memorial. About $900,000. W. B. Wood, 816 Connecticut Ave., Wash., D. C., advisory archt. Noted May 5.

Md., Baltimore—Theatre—Owner c/o T. White, Continental Bldg., having preliminary plans by T. W. Lamb, archt., 644-8th Ave., New York City, for 1 story, 85 x 121 ft., on Charles and Lafayette Sts. About $200,000.

Md., Frederick—Dormitory—Hood College opens bids about Aug. 1, building 4 story, on campus. About $220,160. Hamme & Whitman, City Bank Bldg., York, Pa., archts.

D. C. Wash.,—Monastery—G. L. Lovatt, archt., 430 Walnut St., Phila., opens bids about Aug. 15 building 2½ story 400 x400 ft. brick and steel, rock foundation, on Bethseda St., for Monastery of the Visitation. About $300,000.

W. Va., Charleston—Capitol—Capitol Comn. having sketches made by C. Gilbert, archt., 244 Madison Ave., New York City, for several buildings, brick, steel and stone. About $5,000,000. Noted Feb. 17.

W. Va., Elizabeth—High School—Bd. Educ. Wirt Co. plans to build high school, here. About $150,000.

W. Va., Elkhorn—High School—Bd. Educ. plans to build brick school. About $150,000. Architect not selected.

W. Va., Logan—Hospital—Guyan Valley Hospital Co. plans to build hospital. About $150,000. Architect not selected.

N. C., Gastonia—School—City voted $550,000 bonds to build school. R. G. Cheny, mayor. Noted June 23.

N. C., Raleigh—Institute—Bd. Directors soon receives bids erecting several brick buildings, at State School for Blind. About $325,000. J. A. Salter, Commercial Bank Bldg., archt.

Fla., Orlando—Courthouse—Orange Co. voted bonds to build 3 story addition. Cost between $150,000 and $175,000. Architect not selected.

Fla., Orlando—Hotel—J. Fange and associates having plans prepared by M. S. King, archt., Orlando, for 10 story, 100 x 150 ft., rein.-con., brick, tile and steel, rein.-con. flooring. About $1,000,000.

O., Alliance — Arcade — Arch and Main Arcade Co., recently incorporated, plans to build 3 story, on Arch and Prospect Sts. About $175,000. Address J. S. Spring, officer.

O., Alliance—Commercial and Club—F. O. E. 224, c/o J. J. Bengoet, having plans prepared by Albrecht-Wilhelm & Kelly, archts., 1836 Euclid Ave., Cleveland, for 3 story, 46 x 110 ft., brick, steel and concrete, rein.-con. flooring, brick and concrete foundation. About 175,000.

O., Bedford—School—Bd. Educ., Chagrin Falls, having plans prepared by C. W. Bates, archt., 604 Marshall Bldg., Cleveland,

Buildings (Continued)

for 2 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, in Orange Twp. About $200,000.

O., Cleveland—Apartment and Commercial—F. Riley and G. Paul, 611 Fidelity Mortgage Bldg., had plans prepared by J. F. Steffens, archt., 611 Fidelity Mortgage Bldg., for 4 story, 48 x 106 ft., brick, concrete and steel, on East 84th St. and Euclid Ave. About $200,000.

O., Cleveland—Commercial — Frankel Light Co., 5016 Woodland Ave., having plans prepared by A. Sogg, archt., 319 Hippodrome Bldg., for 4 story, 66 x 154 ft., brick and steel, brick foundation, on St. Clair Ave. near West 6th St. About $150,000.

O., Cleveland—Commercial—On Leon Tong Chinese Merchants Assn., c/o A. King, 1307 Ontario St., plans to build 3 story 137 x 150 ft., brick and terra cotta, brick foundation, on Oregon Ave. near East 21st St. About $150,000. Architect not selected.

O., Cleveland—Commercial—Schwegler & Co., 6501 Euclid Ave., plans to build 4 story, 60 x 160 ft., brick, steel and concrete, at 7023 Euclid Ave. About $200,000. Architect not selected.

O., Cleveland — Commercial — Templer Realty Co., Natl. City Bldg., plans to build 3 story, 115 x 200 ft., brick and steel, brick foundation, on East 69th St. and Euclid Ave. About $175,000. M. Marmorstein, pres. Architect's name withheld.

O., Cleveland—Office—C. Townes and H. A. Stahl, Hicox Bldg., having plans prepared by G. Rider & Co., archts., Century Bldg., for 10 story, brick, steel and concrete, on East 18th St. and Euclid Ave. About $1,000,000.

O., Cleveland — Theatre — Columbia Amusement Co., c/o J. Drew, 709 Euclid Ave., having plans prepared by T. Lamb, archt., 1323 Euclid Ave., for 1 story, brick, steel and concrete, on East 18th St. and Euclid Ave. About $250,000.

O., Salem—Lodge—Masonic Temple Bldg. Co. having plans prepared by Thayer & Johnson, archts., 5716 Euclid Ave., Cleveland, for 3 story, 50 x 125 ft., brick, steel and concrete, rein.-con. flooring, brick and concrete foundation. About $150,000.

O., Westerville—High School—City election Aug. 9, to vote on $205,000 bonds to purchase site and construct new high school, also $20,000 bonds to repair present building. H. R. Jones, pres. Bd. Educ. Architect not selected.

Mich., Alma—Church—Methodist Church, care of M. W. Duffy, plans to build 2 story, concrete, brick and stone. About $150,000. Architect not selected.

Mich., Detroit—Apartment—Davis Investment Co., c/o W. C. Morris, archt., 2741 Blaine Ave., having plans prepared for 6 story, 60 x 100 ft. brick, steel and concrete, on Cass and West Kirby Aves. About $200,000.

Mich., Flint—High School—Bd. Educ. having revised plans prepared by Malcomson, Higginbotham & Palmer, archts., 405 Moffat Bldg., Detroit, for 2 story, 200 x 260 ft., rein.-con., brick, stone and steel, rein.-con. flooring, concrete foundation, on Oak Grove site. About $1,000,000.

Mich., Royal Oak — Schools — Bd. Educ. Dist. 7, Berkley Ave., had plans prepared by Smith, Hinchman & Grylls, archts., 710 Washington Arcade, Detroit, for School No. 2, two story, rein.-con., brick and steel, concrete foundation, in Distr. 7, also addition to Berkley Ave. School. About $150,-000.

Ill., Chicago—Store and Office—A. Levinson, 3250 Lawrence Ave., had plans prepared by Levy & Klein, archts., 111 West Washington St., for 3 story, 80 x 125 ft. mill construction, concrete foundation, on Spaulding and Lawrence Aves. About $150,000.

Ill., Evanston — Bank — Central Savings Bank, c/o Mitchell Bros., 5 North La Salle St., Chicago, having revised plans prepared by Lowe & Bollenbacker, archts. 108 South La Salle St., Chicago, for 1 story, 50 x 120 ft., rein.-con., brick and stone, rein.-con. flooring, concrete foundation, here. About $150,000.

Ill., Jacksonville—Bank and Office—Farrell State Bank soon lets contract building brick, steel and stone, concrete foundation. About $150,000. Hoggson Bros., 485 5th Ave., New York City, engrs. and archts.

Ill., Joliet — Convent — St. Francis Academy, c/o E. P. Rother, archt., 2507 Cullom St., Chicago, having plans prepared for 4 story, 88 x 200 ft. administration building, 1 story domestic science building and 1 story, 40 x 128 ft. power house, all brick, rein.-con., stone and terra cotta.

Ill., Martinsville — High School — Bd. Educ., having plans prepared by Johnson, Miller & Miller, archts., 105 South 7th St., Terre Haute, Ind., for 2 story, brick and steel, rein.-con. flooring. About $150,000.

Ill., Tuscola—High School—Bd. Educ. having plans prepared by Liesa & Ludwick, archts., Temple Bldg., Danville, for 2 story, 70 x 225 ft., rein.-con., brick and steel. About $225,000.

Ill., Waukegan—Hospital—R. E. Schmidt, archt., 104 West Michigan Ave., Chicago, soon receives bids building 2 story, brick, rein.-con. and steel, for Victory Memorial Hospital, c/o Judge Edwards. About $300,-000. Noted Nov. 25.

Ill., Wheaton—Church—St. Michaels Church having plans prepared by E. P. Rother, archt., 2507 Cullom Ave., Chicago, for 2 story, 68 x 149 ft., brick, stone and steel. About $150,000.

Wis., Madison—Church—First Methodist Episcopal Church plans to build 1 story, probably ordinary construction with stone exterior. About $300,000. W. C. Jones, 19 South LaSalle St., Chicago, archt.

Wis., Madison — Community House and Chapel—Amer. Luthern Assn., 356 11th Ave., Milwaukee, plans to build brick and concrete, rein.-con flooring, concrete foundation, here. About $150,000. W. Groebner, pres. Architect not selected.

Wis., Milwaukee—Club House and Store—North Ave. Development Co., 3402 North Ave., having plans prepared by Backes & Pfaller, archts., 216 West Water St., for 3 story, rein.-con. and brick, rein.-con. flooring, concrete foundation. About $150,000. Noted April 14.

Wis., Milwaukee—Dental—Kirchhoff & Rose, archts., 221 Grand Ave., opens bids about Aug. 1, building 4 story, 80 x 98 x 179 ft., rein.-con., brick and tile, rein.-con. flooring, concrete foundation, on 16th and Grand Sts., for Marquette University, 1115 Grand Ave.

Wis., Wauwatosa—Sanitarium—Brust & Philipp, archts., 405 Bway., Milwaukee, opens bids about Aug. 8, building 3 story, 92 x 200 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on West Main St., here, for Milwaukee Private Sanitarium. About $150,000.

Ia., Clarinda—High School—Bd. of Educ., c/o H. S. Stephens, secy., plans to build rein.-con., brick, tile and stone. About $225,000. Keffer & Jones, 204 Masonic Temple, Des Moines, archts. Noted June 30.

Ia., Des Moines—Office—G. Plak, c/o Central Life Assurance Co., Central Life Bldg., having plans prepared by Boyd & Moore, archts., 1020 Grand Ave., for 10 story, 118 x 135 ft., rein.-con., brick, tile and stone, on 5th St. and Grand Ave. About $375,000.

Ia., Fairfield—Church—Methodist Church Congregation, c/o C. L. Tennant, having plans prepared by G. A. Carpenter, archt., Liegett Bldg., for 3 story, brick, steel and concrete. About $150,000.

Minn., Minneapolis—Lodge, Office and Store—Plymouth Lodge 160 A. F. & A. M., 3rd St. and West Bway., having plans prepared by Downs & Eads, archts., 804 Phoenix Bldg., for 3 story, 105 x 110 ft., rein.-con., brick and tile on 20th and Emerson Aves. N. About $150,000.

Minn., Minneapolis—Store and Office—Thorpe Bros., 206 Andrus Bldg., having plans prepared by Kees & Colburn, archts., 246 Plymouth Bldg., remodel 6 story, rein.-con., brick and tile, at 519 Marquette Ave. About $150,000.

Kan., Hiawatha—Church—Christian Church, c/o T. V. Hubbell, pastor, plans to build brick, stone and steel. About $150,-000. Architect not selected.

Kan., Kansas City—Memorial—City, c/o H. Payne, plans to build memorial. Bonds for $500,000 voted for project. Rose & Peterson, Barker Bldg., archts.

Kan., Kansas City—Office—B. P. O. E. No. 440, c/o F. Railsback, having plans prepared by J. G. Braecklien, archt., 1000 Quindaro Blvd., Kansas City, for 7 story, 65 x 90 ft., brick, stone and rein.-con., at 905 North 7th St. About $200,000.

Kan., Manhattan—Economics and Cafeteria—State, c/o J. A. Kimball, Topeka, having plans prepared by R. Gamble, archt., 1415 Filmore St., Topeka, for 2 story, 82 x 132 ft., rein.-con., brick and stone, here. About $150,000.

Kan., Osawatomie—Hospital—State, c/o J. A. Kimball, Topeka, having plans prepared by R. Gamble, archt., 1415 Filmore St., Topeka, for 2 story, rein.-con., brick and stone, here. About $150,000.

N. D., Calvin—School—Bd. Educ. having plans prepared by Shannon, Boyd & Boyd, archts., Jamestown, for 2 story, rein.-con., brick, stone and tile. About $150,000. J. L. Parrish, supt. Noted Jan. 13.

Mo., Boliver—Dormitory—Southern Baptist College having plans prepared by T. E. Davis, archt., 20½ Spruce St., Ashville, N. J., for 3 story, 54 x 126 ft. brick, steel and concrete. About $150,000.

Mo., Springfield—Church—Grace Methodist Episcopal Church, c/o W. R. McCormick, 425 Pearl St., having plans prepared by Heckenlively & Mark, archts., Lander Bldg., for 2 story, 100 x 153 ft. brick and stone. About $150,000. Noted Dec. 9.

Tex., Cisco—High School—City had plans prepared by Robertson & Griesenbeck, archts., South West Life Bldg., Dallas, for 3 story, rein.-con. About $200,000.

Okla., Muskogee—Church—First Baptist Church having plans prepared by R. H. Hunt & Co., archts., Southwest Life Bldg., Dallas, Tex., for rein.-con., brick, stone and steel. About $180,000.

Ont., Port Stanley—Hotel—Erie Amusement Co., St. Thomas, plans to build hotel on Fraser Heights, here. About $200,000. Private plans.

BIDS DESIRED

Me., Kennebunk—High School—Until Aug. 1, by town, building 2 story, 63 x 98 ft., brick and stone, concrete foundation. About $150,000. Hutchins & French, 8 Winter St., Boston, archts.

Mass., Boston—Hospital—Until Aug. 5, by city, building 4 story, 43 x 142 ft. rein.-con., brick and stone addition to Thorndike Memorial Hospital, on Concord St. About $350,000.

Mass., Newton (Boston P. O.)—Theatre—Until July 30, by Desmond & Lord, archts., 15 Beacon St., Boston, building 2 story, 68 x 148 ft. brick and steel, concrete foundation, on Washington St., for Newton Theatre, Inc., 415 Center St. About $175,000.

Conn., Hartford—School and Hall—Until Aug. 5, by Sts. Cyril and Methodist Church, 69 Governor St., building 2 story, 65 x 150 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, on Groton St. About $200,000. H. A. Ludorf, Mutual Bldg., New Britain, archt. Noted June 16.

Conn., West Haven (New Haven P. O.)—Store and Theatre—Brown & Van Beren, archts., 185 Church St., New Haven, receiving bids building 1 and 2 story, 100 x 170 ft. brick, concrete and steel, rein.-con. flooring, concrete foundation, on Campbell Ave. and New St., here, for H. L. Reader, 27 George St., New Haven. About $150,000.

N. Y., Brooklyn—Apartment—Kessan Realty Co., c/o McCarthy & Kelley, archts. and engrs., 16 Court St., will build 6 story 50 x 100 ft., brick, steel and stone, concrete foundation, on St. Johns Pl. About $175,-000. J. Horowitz, pres. Work will be done by separate contracts.

N. Y., Long Island City—High School—Until Aug. 5, by C. B. J. Snyder, supt. School Bldgs., 2800 Municipal Bldg., New York City, completing and finishing the general construction of additions to and alterations in Bryant High School on northerly side of Wilbur Ave. between Academy and Radde Sts.

N. Y., New York—Apartment—Tampa Constr. Co., 370 East 140th St., will build 5 story, 90 x 90 ft., brick, steel and stone, concrete foundation, on Briggs Ave. About $150,000. Work will be done by separate contracts. D. S. Lang, 110 West 34th St., archt. and engr.

N. Y., New York—Apartment—Hull Ave. Building Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, concrete foundation, on 199th St. and Grand Cncourse, Bronx. About $175,000. Work will be done by separate contracts.

N. J., Atlantic City—Bank and Office—Until Aug. 1, by Chelsea Natl. Bank, building 4, 60 x 100 ft. concrete, steel and brick, rein.-con. flooring, concrete foundation, on Atlantic Ave. About $200,000. H. A. Stout, Guarantee Trust Bldg., archt. Noted June 16.

Pa., Meadville—High School—Until Aug. 22, by Bd. Educ. building 2 story, 200 x 200 ft., brick and steel, rein.-con. flooring. About $350,000. W. G. Eckles, New Castle, archt.

Pa., Phila.—Office—H. C. Hodgens, archt., 130 South 15th St., receiving bids building 7 story, 94 x 118 ft. rein.-con., brick and steel, rein.-con. flooring, concrete

Buildings (Continued)

foundation, on Juniper and Walnut Sts., for Walnut St. Savings & Trust Co., c/o architect.

Va., Norfolk—School—Until Aug. 9, by City School Bd., Bankers Trust Bldg., rebuilding John Marshall School. E. L. Myers, chn; advertised in this issue.

Ga., Augusta—Until Aug. 12, by Murphy & Dana, archts. and engrs., 331 Madison Ave., New York City, constructing 4 story, brick, steel and stone building for Central Y. M. C. A. About $300,000.

O., Alliance—Hospital—Until Aug. 15, by city, building 3 wings, brick, steel and concrete. About $200,000. Mills & Millspaugh Co., 67 East Long St., Columbus, archts. Noted Jan. 13.

O., Cleveland — Commercial — Standard Film Serv. Co., Sloan Bldg., receiving bids building 3 story, 40 x 145 ft., rein.-con., steel and brick, rein.-con. flooring, brick and concrete foundation, on East 21st St. and Payne Ave. About $150,000. S. H. White, Schofield Bldg., archt. Noted April 28.

O., Cleveland—School—Until Aug. 15, by Bd. Educ., East 6th St. and Rockwell Ave., building 2 story, rein.-con., brick and steel addition, rein.-con. flooring, brick and concrete foundation, on East 126th St. and Abell Ave. F. G. Hogen, dir. W. R. McCornack, East 6th St. and Rockwell Ave., archt.

O., Cleveland Heights (Warrensville, P. O.)—School—Until Aug. 5, by Bd. Educ., Lee Rd., building 3 story, brick, steel and concrete, rein.-con, flooring, brick and concrete foundation, on Taylor Rd. About $500,000. F. C. Warner, Hippodrome Annex Bldg., Cleveland, archt. and engr. Noted Aug. 12.

Mich., Detroit—School—Until Aug. 16, by Bd. Educ., 1354 Bway. Ave., building Franklin School, 3 story, 82 x 246 ft. and 113 x 130 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Brooklyn Ave. About $250,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Ill., Champaign—Hospital—Until Aug. 2, by J. M. White, archt., c/o University of Illinois, Champaign, building addition to Burham Hospital, 3 story, 102 x 109 ft. rein.-con., brick and stone, for Bd. Trustees, c/o F. Isner. About $200,000.

Ill., Chillicothe—High School—Until Aug. 2, by Hotchkiss & Whitmeyer, archts., Central Natl. Bank, Peoria, building 2 story, 104 x 120 ft., rein.-con., brick, stone and steel, for Bd. Educ. About $150,000. Noted July 21.

Wis., West Allis—Grade School—Until Aug. 8, by A. Wichner, clk., Bd. Pub. Wks., building 2 story, 80 x 185 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, in 4th Ward. About $150,000. Lesser & Schulte, 82 Wisconsin St., Milwaukee, archts.

S. D., Rapid City—Court House—Until Aug. 16, by Auditor Pennington Co., building 3 story, stone, rein.-con., steel and brick, rein.-con. flooring. About $500,000. W. E. Hulse & Co., Hutchinson, Kan., archts. Noted Nov. 18.

Mo., Springfield—Temple—Until Aug. 20, by Abou Ben Adhem Shrine, c/o G. Glendorf, Springfield, and Heckenlively & Mark, archts., Landers Bldg., constructing 3 story, 140 x 267 ft., rein.-con. and steel, rein.-con. flooring, concrete foundation, on St. Louis and Kimbrough Sts. About $300,000. Noted June 23.

Tex., Houston—Church—Until Aug. 22, by 1st Baptist Church, building 4 story, 104 x 252 ft., rein.-con. flooring. About $450,000. Bids for steel contract will be received until Aug. 1. C. D. Hill & Co., 801 Sumpter Bldg., Dallas, archts.

Tex., Kerrville—Hospital—Until Aug. 15, by Bldg. Bd. of Amer. Legion, Austin, constructing administration building, 2 ward buildings, help's dormitory, superintendent's home and warehouse here. Legislature appropriated $1,500,000 for project. Phelps & Dewees, 718 Gunter Bldg., San Antonio, archts.

Tex., San Antonio—Bank and Office—Until Aug. 15, by Sanguinet & Steats, archts., First Natl. Bank Bldg., Ft. Worth, building 11 story, 93 x 119 ft., brick, stone, rein.-con. and steel, for Frost Natl. Bank, East Military Plaza. About $1,000,000.

Okla., Sapulpa—School—Until Aug. 2, by Bd. Educ., building 2 story, rein.-con., brick, steel and stone. About $275,000. M. T. Hardin, Sapulpa, archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Store and Office—Snider & Dinker, 18 Tremont St., will build 8 story, brick and concrete, on Oliver St. About $175,000. Work will be done by day labor.

★**Mass., Canton**—Infirmary—State Building Comn., 48 Franklin St., Boston, let contract building 2 story, 75 x 115 ft. brick, concrete foundation, here, to Genl. Building Co., 524 Harrison Ave., Boston, $161,500.

★**Mass., Northampton** — Dormitories — Smith College let contract building three 4 story, 40 x 200 ft. brick, on campus, to J. P. Keating, Northampton. About $400,000. Noted May 12.

★**Conn., Bridgeport** — Club — University Club, 232 Golden Hill St., let contract building 3 story, 50 x 90 ft. addition, brick, concrete and steel, rein.-con. flooring, concrete foundation, to T. J. Pardy Constr. Co., 1481 Seaview Ave. About $125,000. Noted March 24.

Conn., Thomaston—High School—Town received bids building 2 story, 80 x 140 ft. brick, steel and concrete, rein.-con. flooring, concrete foundation, on Main St., from Tracy Bros. Co., 52 Benedict St., Waterbury, $147,132. Noted July 7.

★**N. Y., Brooklyn**—Apartments—Rappgold Realty Corp., c/o E. M. Adelsohn, archt. and engr., 1778 Pitkin Ave., will build three 4 story, 75 x 100 ft., brick, steel and stone, concrete foundations, on Ocean Ave. About $150,000 each. Work will be done by day labor.

★**N. Y., Cortland**—School—F. B. Gilbert, acting comr. of Bd. Educ., Educational Bldg., Capitol, Albany, let contract constructing school building, to A. E. Stephens Co., 145 State St., Springfield, Mass., $710,000; electrical work, to Hughes Electric Co., 413 South Clinton St., Syracuse, $22,913; heating, to E. J. Bates, 228 West Water St., Syracuse, $103,358; sanitary work, to Power Efficiency Corp., White Bldg., Buffalo, $35,775. Noted July 21.

★**N. Y., New York**—Bank—L. Pererra & Co., 116th St. and 1st Ave., let contract altering brick and stone, to Niewenhous Co., Inc., 316 East 161st St. About $150,000.

★**N. Y., New York**—School—Classon Point Military Academy let contract building 2 story, 50 x 190 ft., brick, steel and stone, concrete foundation, on Clason Point Rd., Bronx, to Carucci & Wolpert, 186 Remsen St., Brooklyn. About $250,000.

★**N. Y., Oswego**—High School—Bd. Educ., City Hall, let contract building high school, to Prahl Constr. Co., Erie, Pa., $341,751. Noted July 21.

★**Pa., Harrisburg** — Bank — East End Trust Co., 13th and Howard Sts., let contract building 2 story, concrete and steel, rein.-con. flooring, to Simon, Brittain & English, Magee Bldg., Pittsburgh. About $150,000. Noted Feb. 10.

★**Pa., Johnstown**—Schools—Bd. Educ. let contract building Maple Park, Coopersdale, Washington and Chestnut St. Schools, all concrete, brick and steel, rein.-con. flooring, to Kilpatrick-Dawson Co., Empire Bldg., Pittsburgh. About $395,000. Noted June 30.

★**Pa., Phila.**—Bank—Market St. Title & Trust Co., 52nd and Market Sts., let contract building 1½ story, 50 x 100 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 52nd and Market Sts., to Cramp & Co., 4 North 11th St. About $150,000.

★**Md., Baltimore**—Synagogue—Oheb Shalom Congregation, care of B. Frank, archt., 324 North Charles St., let contract building 4 story, 50 x 130 ft. brick, on Eutaw Pl. and Lanvale St., to West Contr. Co., Amer. Bldg. About $200,000.

★**N. C., Raleigh**—Dining Rooms, etc.—North Carolina State Hospital for Insane let contract erecting 2 dining rooms (seating capacity 950 each), also altering, remodeling and building additions, to J. E. Beaman, Commercial Bank Bldg. About $600,000. Noted June 9.

★**La., New Orleans**—Lodge—Knights of Columbus let contract building addition and remodeling present builing on Carondelet St. between Julia and St. Joseph Sts., to L. F. Favret, Canal Bank Bldg. About $150,000.

★**Ky., Louisville**—Church—First Presbyterian Church, First and Ormsby Sts., let contract repairing and building concrete and brick addition, at 100-108 West Ormsby St., to G. H. Rommel Co., 958 Logan St. About $173,000.

★**O., Bedford**—School—Bd. Educ. let contract completing 3 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, to Clemer & Johnson, 406-7 Metropolitan Bldg., Akron, $98,900; heating and power work, to H. P. Cahill, Exchange St., Akron, $38,695. Noted July 14.

★**O., Cleveland**—Apartment Hotel—B. Lederman, 10709 Pasadena Ave., let contract building 8 story, 60 x 225 ft., brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, at 2026 East 107th st., to Bolton-Pratt Constr. Co., Columbia Bldg. About $500,000. Noted March 3.

O., Ravenna—High School—W. J. Dodge, clk. Bd. Educ. opened bids July 15, building 2 story, 127 x 235 ft., brick and concrete, from Willing Bros., Bellevue, $398,055; D. W. McGrath & Sons, New 1st Natl. Bank Bldg., Columbus, $404,662; A. F. Wendling, Massillon, $418,180. Noted June 23.

★**Mich., Jackson**—Church—First Methodist Episcopal Church let contract building 2 story, 122 x 140 ft. rein.-con., brick, stone and steel, rein.-con. flooring, concrete foundation to Koepke Bros., Jackson. About $250,000.

★**Ill., Joliet**—High School—Bd. Educ. let contract building 3 story, 228 x 240 ft. brick, stone and steel addition, concrete foundation, to Simmons Dick Co., Bloomington. About $300,000. Noted April 7.

★**Wis., Milwaukee** — Business — Schlitz Brewing Co., 3d and Galena Sts., let contract constructing, 2 story 70 x 155 ft. brick, steel and concrete business building, rein.-con. flooring, concrete foundation, also converting Palm Garden into theatre, to W. W. Oeflein, 86 Michigan St. About $250,000.

★**Minn., Bemidji**—High School—Bd. Educ. let contract building 3 story, 148 x 230 ft., rein.-con., steel and brick, rein.-con flooring, concrete foundation, to Nauffts-Bergstrom, 416 Columbia Bldg., Duluth, $257,975.

★**Kan., Wichita**—Hotel—Lassen Hotel Co. let contract building 10 story, 48 x 57 ft. rein.-con., brick nd stone addition, to Collins Bros., Rialto Bldg., Kansas City. About $175,000.

★**Kan., Wichita**—Theatre and Office—Orpheum Theatre Co., c/o A. Gray, let contract building 3 story, 40 x 90 ft. and 7 story, 50 x 140 ft., on 1st and Lawrence Sts., to Vaughn Constr. Co., Peter Trust Bldg., Omaha, Neb. About $700,000. Noted Feb. 6.

★**S. D., Aberdeen**—School—Bd. Educ. let general contract building 2 story, 63 x 102 ft. rein.-con., brick, stone and tile, to J. H. Brown Co., 621 South 3rd St., Minneapolis, Minn., $79,846. Noted June 23.

★**Mo., Kansas City**—Assembly Hall, etc.—Boys Hotel, 18th and Waldrond Sts., let contract building 4 story, 44 x 89 ft., assembly hall and swimming pool, brick, stone, steel and terra cotta, on Admiral and Vine Sts., to Fogel Constr. Co., Reliance Bldg. About $150,000. Noted July 14.

★**Mo., Kansas City** — Bank — Peoples Trust Co., c/o C. S. Alver, 1120 Walnut St., let contract building brick, steel and tile, on 10th and Grand Sts., to G. M. Bliss Constr. Co., Lathrop St. About $150,000.

★**Ia., Sioux City** — Temple — Scottish Rite Masons let contract building 3 story, 150 x 150 ft. rein.-con., brick, tile and stone, on 9th and Nebraska Sts., to Fleisher Constr. Co., 19th and Pearl Sts., $274,000; foundation, to F. J. Sulzbach, 224 Mass. Bldg., $35,259; piling and capping, to E. A. Whitney, 619 5th St., $55,828. Noted June 30.

★**Okla., Pryor**—Court House—Mayes Co. let contract building 3 story, 75 x 85 ft., brick, stone, steel and concrete, to J. J. Rooney, 318 West Okmulgee St., Muskogee, $159,974. Noted June 16.

★**Que., Montreal** — Synagogue — Shaar Hashomayim Synagogue, McGill College Ave., let contract building superstructure of 96 x 168 ft., 64 ft. high, brick and steel, rein.-con. flooring, on Cote St. Antoine Rd. and Kensington Ave., to P. Lyall & Sons Constr. Co., 5000 Western Ave. About $250,000.

★**Ont., Peterboro**—Hospital—St. Josephs Hospital let general contract building 4 story, 45 x 130 ft. rein.-con., brick and steel addition, rein.-con. flooring, concrete foundation, to Russell Constr. Co., Harbor Bldg., Toronto. About $143,500.

Federal Government Work

PROPOSED WORK

Mass., Boston—Mechanical Equipment—Spec. 4495—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install mechanical equipment and piping, also alter boiler plant, here.

R. I., Newport—Refrigerator Equipment—Spec. 4363—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids received June 22, installing at Naval Sta., here. Work will be readvertised. Noted July 7.

Va., Alexandria—Altering Plating Shop, etc.—Spec. 4373—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids altering plating shops and cafeteria, at Naval Torpedo Sta., here. Noted May 12.

Va., Alexandria—Cafeteria Equipment—Spec. 4315—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids installing in Naval Torpedo Sta., here. Noted March 31.

BIDS DESIRED

Pa., Phila.—Dredging—Until Aug. 22, by U. S. Engineer, 815 Witherspoon Bldg., dredging in lower Delaware River; advertised in this issue.

Mich., Detroit—Dredging—Until Aug. 22, by U. S. Engineer, for dredging in West Neebish Channel, St. Mary's River; advertised in this issue.

Col., Denver—Pumping Units—Until Sept. 14, by U. S. Recl. Serv. furnishing 2 direct pumping units for Thomas Point Pumping Plant. M. Bien, acting dir.; advertised in this issue.

Ore., Portland—Dredging Sleeves—Until Aug. 15, by U. S. Engineer furnishing sixteen 36 in. dredging sleeves.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

R. I., Providence—Dredging—U. S. Engineer, Providence, received bids July 22 dredging in New Haven harbor, Conn., (a) Sect. 1 (b) Sect. 2 (c) Sect. 3, from Packard Dredging Co., 1004 Turks Head Bldg., (a) $0.26 (b) $0.26 (c) $0.25 total $40,915; Taylor Dredging Co., Compaw Ave., Jersey City, N. J., (a) $0.27 (b) $0.27 (c) $0.38 total $43,610; F. E. Jones, 1002 Bank of Commerce Bldg., Norfolk, Va., (a) $0.33 (b) $0.33 (c) $0.33 total $51,975. Noted July 7.

★**N. Y., Brooklyn**—Roads and Sidewalks—Spec. 4468—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract laying concrete roads and sidewalks, at Naval Hospital, here, to H. S. Roberts & Co., 151 East 38th St., New York City, $9,900 (45 days). Noted June 30.

N. Y., New York—Fire Alarm System—Spec. 4470—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids July 20 constructing fire alarm and watchman's signal systems for Building 5, here, from J. W. Hooley, 45 Barclay St., New York City, $2,875 (90 days); Michigan Auxiliary Fire Alarm Co., 4108 Woodward Ave., Detroit, Mich., $3,174 (90 days); I. Stark & Co., 346 Tompkins Ave., Brooklyn, $3,735 (60 days). Noted July 7.

★**N. Y., New York**—Mechanical Equipment—Treas. Dept., Wash., D. C., let contract installing in Junior Officers Quarters, at Marine Hospital, here, to Keller Bros., 168 East 91st St., $3,980 (60 days).

★**N. Y., New York**—Officers Quarters—Treas. Dept., Wash., D. C., let contract constructing complete, except mechanical equipment, at Marine Hospital, here, to B. Diamond, 12 Bergen St., Brooklyn, $16,725 (5 months).

★**D. C., Bellevue**—Electric Freight Elevator—Spec. 4421—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing in U. S. Naval Experimental and Research Laboratory, here, to Burwak Elevator Co., 216 Fulton St., New York City, $4,990 (90 days). Noted July 21.

★**D. C., Wash.**—Retaining Walls—U. S. Engineer, Munitions Bldg., let contract constructing, in Meridian Hall Park, to C. H. Tompkins, 1883 3rd St. N. W., $38,900.

N. C., Oteen—Fire Alarm System—Treas. Dept., Wash., D. C., received bids July 20 constructing in Marine Hospital, here, from Blumenthall-Kahn Electric Co., 505 North Eutaw St., Baltimore, $14,616 (150 days) alternate $21,966 (175 days); L. D. Webb, Anderson, S. C., $15,997 (99 days), Tucker & Laxton Inc., Realty Bldg., Charlotte, $17,000 (120 days), alternate $23,000 (120 days); Croker Natl. Fire Prevention Eng. Co., 22 West 30th St., New York City, $20,980 (118 days), alternate $27,975 (118 days).

S. C., Charleston—Air Compressor—Spec. 4431—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids July 20 installing, here, from Nordberg Mfg. Co., Chicago and Milwaukee Sts., Milwaukee, Wis., $34,100 (175 days); Worthington Pump & Mchy. Co., Homer Bldg., Wash., D. C., $42,345 (175 days); Ingersoll-Rand Co., 11 Bway., New York City, $50,980 alternate $48,401 (120 days).

★ **Ky., Dawson Springs**—Buildings—Treas. Dept., Wash., D. C., let contract constructing 13 buildings at Marine Hospital, here, to A. Blair, 1180 Lawrence St., Montgomery, Ala., $596,300. Noted July 21.

★**Ky., Dawson Springs** — Electric Sub-Station—Treas. Dept., Wash., D. C., let contract constructing outdoor electric sub-station, at Sanatorium, here, to Strang Electric Co., 214 South 7th St., Phila., Pa., $7,120 (90 days). Noted June 30.

★**Ky., Dawson Springs**—Mechanical Equipment—Treas. Dept., Wash., D. C., let contract installing in Public Health Sanatorium, here, to Forbes Mfg. Co., Hopkinsville, Ky., $196,255. Noted July 21.

★**O., Cleveland**—Steam Piping—Treas. Dept., Wash., D. C., let contract installing steam piping in Marine Hospital, here, to C. J. Gleason, 1526 Walton Way, Augusta, Ga., $5,230.

★ **O., Lima**—Post Office—Treas. Dept., Wash., D. C., let contract remodeling, here, to Garber & Cissel, Inc., Bethlehem, $5,358 (60 days). Noted June 23.

★**Mich., Flint** — Vestibule — Treas. Dept., Wash., D. C., let contract constructing mailing vestibule, etc, in postoffice, here, to G. A. Burley Co., Flint, $11,668 (90 days). Noted July 14.

★**Mich., Pontiac**—Mailing Vestibule—Treas. Dept., Wash., D. C., let contract constructing in postoffice, here, to Garber & Cissel, Inc., Bethlehem, Pa., $5,000 (50 days). Noted June 30.

★**Ill., Chicago**—Fire Protection System—Treas. Dept., Wash., D. C., let contract installing in Marine Hospital, here, to W. Harding, 3139 Indiana Ave., $2,998 (30 days).

★**Idaho**—Roads—U. S. Bureau Pub. Rds., Ogden, Utah, let contract grading and partly gravel surfacing 6.83 mi. Sect. 2, Montpelier-Afton Rd., 20-ft. wide, Caribou Natl. Forest, Bear Lake Co., to Reeves & Cook, Ogden, Utah, $16,051; part of Ketchum-Clayton Project, Sawtooth Natl. Forest, Blaine Co., to Saylor, Biehl & Williams, Ogden, Utah, $21,671.

★**Wash., Puget Sound**—Water System Extension—Spec. 4447—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract extending fresh and salt water systems, here, to R. H. Travers, 3144 Arcade Bldg., Seattle, $24,781 (100 days). Noted July 21.

★**Cal., San Diego**—Electric Elevator—Spec. 4441—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing, in storehouse, here, to Hollister-Whitney Co., 211 North 2nd St., Quincy, Ill., $22,635 (180 days). Noted June 9.

★**H. T., Honolulu**—Extending Railway, etc.—U. S. Engineer, Munitions Bldg., Wash., D. C., let contract extending railways, and erecting searchlight unit complete, here, to R. E. Woolley, Honolulu, $21,102.

★**H. T., Honolulu**—Submarine Cable—U. S. Engineer, Munitions Bldg., Wash., D. C., let contract laying, here, to B. Lauahi, Honolulu, $4,370.

Miscellaneous

PROPOSED WORK

Incinerator—Charleston, W. Va.—City having preliminary plans prepared for incinerator. Election Aug. 17 to vote on $100,000. E. Bruce, city engr.

Transmission Line—Dunn, N. C.—Carolina Power & Light Co., Raleigh, plans to build 10 mi. transmission line from here to Benson, also improve plant and lines, here. About $100,000. P. A. Tillery, Raleigh, engr.

Transmission Line—Elizabeth, Minn.—Oscar Electric Co. plans to build 11 mi. transmission line. About $25,000. H. H. Haldorson, pres.

Transmission Line—Bluff City, Mo.—City voted $25,000 bonds to build 12 mi. transmission line from here to Anthony, Kan. C. W. Duncan, clk. W. B. Rollins & Co., Ry. Exch. Bldg., Kansas City, engrs.

Lighting System—Dorchester, Ont.—Town plans to build hydro lighting system here and branch lines to supply power and light to villages of Belmont and Harrietsville. Address S. Shaw, Dorchester.

BIDS DESIRED

Tunnel Piping Material—Hathorne, Mass.—Until Aug. 4, by Dept. Mental Disease, Boston, furnishing piping material at Danvers State Hospital, here. G. M. Kline, comr.; advertised in this issue.

Test Borings—Phila., Pa.—Until Aug. 18, by Delaware River Bridge Joint Comn., Room 1134, Widener Bldg., making test borings at sites of piers and anchorages of bridge over Delaware River between here and Camden, N. J.; advertised in this issue. Noted Jan. 20.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Memorial Fountain—Detroit, Mich.**—Parks & Blvds. Dept., 602 Marquette Bldg., let contract building Scott Memorial Fountain on Belle Isle, to J. Bollin Co., 1259 Book Bldg., $345,200. Noted July 7.

★**Coal Picket—Fall River, Mass.**—W. C. Atwater & Co., Inc., 2 Bedford St., let contract constructing rein.-con. coal picket, 1,000 ton capacity, to Booth & Chase Inc., 2 Bedford St. About $25,000. Noted April 14.

★**Swimming Pool—Waterbury, Conn.**—Park Extension Comn. let contract building 50 x 120 ft. concrete and tile swimming pool, at Chase Park, to Waterbury Concrete Constr. Co., 65 Jefferson St., $25,875.

Asphalt Road Oil, etc.—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, opened bids July 20 furnishing and delivering 100,000 gal. asphalt road oil, from Texas Co., 17 Battery Pl., New York City, $0.0523 per gal., total cost $5,230; Standard Oil Co., 26 Bway., New York City, $0.0504, $5,040; 129,300 ft. lumber, from East River Mill & Lumber Co., 92d St. and East River, New York City, $6,198, Eclipse Box and Lumber Co., 425 Greenpoint Ave., $7,038, G. Elias & Bros., Inc., 22 East 17th St., New York City, $7,152; manhole heads and covers, from Campbell Fdry. Co., 313 Manor Ave., Harrison, N. J., $2,548, Flockhardt Fdry. Co., $2,932, L. C. Harry Co., 114 Liberty St., New York City, $3,439. Noted July 14.

Paving Gravel—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3d Aves., opened bids July 20, furnishing and delivering (1) 500 cu.yd. paving gravel, (2) 1,500 cu.yd. fine sand, (3) 5,000 bags Portland cement, (4) 20,000 gal. bituminous road surfacing material (for hot use), from C. and C. Contg. Co., (1) $1,875, (2) $2,775; Ames Bldg., Material Co., Inc., 3437 Kingsbridge Ave., (1) $1,920, (2) $2,685; Lanigan Bros., Bronx River and 165th St., (2) $2,625; J. A. McCarthy, 551 Exter St., (3) $3,737; J. P. Duffy Co., 207 East 138th St., (3) $3,825; Tar Products Corp., 1270 Bway., (4) $3,800; Barrett Co., 17 Battery Pl., (4) $3,800; F. J. Lewis Mfg. Co., (4) $4,100. Noted July 14.

★**Incinerator—Oil City, Pa.**—City let contract building 30 ton garbage incinerator, to Chicago Incinerator Co., 2131 Turner St., Chicago, Ill. About $26,200.

Retaining Wall—Canton, O.—See "Excavation and Dredging."

★**Plumbing, Heating and Ventilating Systems—Cleveland, O.**—City let contract installing plumbing, heating and ventilating systems in new city hospital buildings (now under construction), to W. G. Cornell Co., Leader-News Bldg., $469,940. Noted July 7.

★**Pipe and Specials—Detroit, Mich.**—Water Bd. let contract furnishing 2,500 tons 36 in., 525 tons 30 in. and 1,475 tons 24 in. c.i. water pipe, to Lynchburg Fdry. Co., Peoples Natl. Bank Bldg., Lynchburg, Va., $47.30 per ton, total $212,850; 150 tons 4-24 in. and 30 ton 30-48 in. special castings, to Russell Wheel & Fdry. Co., Chene St. and Belt Line Ry., $84 per ton for 4-24 in., $94.60 for 30-48 in.

Street Cleaning Machine—West Allis, Wis.—City received bids furnishing 1 street cleaning machine (sweeper), from Elgin Sales Corp., Elgin, Ill., $7,250; Hunter Mchry. Co., 208 Wells St., Milwaukee, $7,500. Noted July 7.

★**Gravel Loader—Mankato, Minn.**—Blue Earth Co. let contract furnishing 1 gravel loader, to Austin Western Road Mchy. Co., 375 Cedar St., St. Paul, $9,600. Noted May 19.

★**Swimming Pool—Kansas City, Mo.**—See "Buildings."

★**Culverts—Gilmer, Tex.**—Upshur Co. let contract building rein.-con. and steel drainage structures in Div. 2, Highway 11, to General Constr. C., 582 Arcade Bldg., St. Louis, Mo., $37,018 including 10% for engineering and contingencies. Noted July 7.

OFFICIAL PROPOSALS

Bids: Aug. 2.

Pavement Construction

Hartford, Conn.

SEALED PROPOSALS will be received by the State Highway Commissioner, 240 Farmington Avenue, Hartford, Conn., until 2 p.m., Tuesday, August 2d, 1921, for the following sections of State work, in accordance with plans and specifications on file in the office of the State Highway Commissioner and at the following places:

TOWN OF WILTON: About 3,000 lin.ft. of 8-inch gravel on the Westport Road. Plans and specifications at the town clerk's office, Wilton, Conn., and office of G. E. Smith, Division Engineer, New Milford, Conn.

TOWN OF GROTON: About 1,970 ft. of concrete road on Thames Street. Plans and specifications at the town clerk's office, Groton, and office of A. W. Bushell, Division Engineer, Thayer Building, Norwich, Conn.

TOWN OF TORRINGTON: About 1,800 lin.ft. of 3-in. bit. mac. over 7-in. crushed screened gravel base on the Nepaug Road. Plans and specifications at the office of the town clerk, Torrington, and office of D. C. Loewe Division Engineer, Winsted, Conn.

TOWN OF KILLINGLY: About 20,600 lin.ft. of 3-in. bit. mac. over 7-in. broken stone base on the Danielson Road. Plans and specifications at the office of A. W. Bushell, Division Engineer, Thayer Building, Norwich, Conn.

TOWN OF EAST WINDSOR: About 5,300 lin.ft. of 7-in. waterbound macadam on the Broad Brook-Scantic Road. Plans and specifications at the town clerk's office and at the office of R. W. Stevens, Division Engineer, 240 Farmington Ave., Hartford, Conn.

All bids must be accompanied by a surety company bond or a certified check not less than one-third of the cost of the work. The State Highway Commissioner reserves the right to reject any and all bids.

Dated at Hartford, Connecticut, July 18, 1921.

C. J. BENNETT,
State Highway Commissioner,
240 Framington Ave., Hartford, Conn.

Bids: Aug. 2.

Highway Construction

STATE OF MARYLAND
STATE ROADS COMMISSION

Baltimore, Md.

SEALED PROPOSALS for building four sections of State Highway, as follows:

Montgomery County Cont. M-22: One section of State Highway from Henderson's Corner toward Clarksburg, a distance of 1.0 mile (Concrete).

Montgomery County Cont. M-27: One section of State Highway from end Contract M-23, toward Colesville, a distance of 2.0 miles (Concrete).

St. Mary's County Cont. SM-15: One section of State Highway from end Contract SM-14, toward Colton, a distance of 5.0 miles (Gravel).

Dorchester Co. Cont. D-24. One section of State Highway from Cambridge toward Lloyds, a distance of 1.5 miles (Concrete).

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 2d day of August, 1921, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of $1, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 16th day of July, 1921.

J. N. MACKALL, Chairman.
L. H. STEUART, Secretary.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

Official Proposals reaching our office in first mail Tuesday morning (10 o'clock) can usually be published in the issue out the following Thursday. Special price for Official Proposals, 40 cents a line.

Bids: Aug. 17.

Barge Canal Terminals

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Wednesday, Aug. 17, 1921, at which place and hour they will be publicly opened and read, for the construction of Barge Canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, and Chapter 402 of the Laws of 1920 and Chapter 176 of the Laws of 1921, as follows:

—1—

TERMINAL CONTRACT NO. 118

For furnishing and installing two three-ton electric semi-portal revolving jib cranes on the Barge canal terminal at Gowanus Bay, Borough of Brooklyn, New York City.

Contract plans, sheets 1 to 2, inclusive.

—2—

TERMINAL CONTRACT NO. 84

For constructing an approach from Clarissa Street to the Barge Canel terminal at Rochester.

Contract plans, sheets 1 to 7, inclusive.

Plans may be seen and detailed specifications, engineer's estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the office of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and at the office of the Superintendent of Public Works, Terminal Warehouse, Pier 6, East River, New York City.

Copies of detailed plans or drawing may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to statisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.

Bids: Aug. 1.

Furnishing Material and Labor for Construction of Sewer System

Mamaroneck, N. Y.

Notice is hereby given that sealed bids will be received by the Board of Sewer Commissioners of Sewer District No. 1 of the Town of Mamaroneck, N. Y., until 7:30 o'clock p.m., Eastern Standard Time, on Aug. 1, 1921, at the office of the Board of Sewer Commissioners, Weaver Street School House on Weaver Street, in said Town of Mamaroneck, N. Y., for furnishing materials and performing the labor required for constructing section one or section two or for constructing both section one and section two combined of the sewer system in Sewer District No. 1 of the Town of Mamaroneck, N. Y., all in accordance with plans and specifications on file in the office of the Board of Sewer Commissioners, at the Weaver Street School House on Weaver Street, in said Town of Mamaroneck, N. Y., and also in the office of the Engineer, L. E. Van Etten, at No. 12 Lawton Street, New Rochelle, N. Y.

Copies of the plans and specifications may be inspected and obtained from the Engineer to the Commission, L. E. Van Etten, at No. 12 Lawton Street, New Rochelle, N. Y., from Monday, July 18, 1921, and every day thereafter from 9 a.m. to 4 p.m., Saturdays excepted, upon depositing twenty-five dollars ($25), which sum will be refunded upon the return of the plans and specifications in good condition within ten days after the award of the contract or contracts, or else the entire deposit will be forfeited.

By order of the Board of Sewer Commissioner of Sewer District No. 1 of the Town of Mamaroneck.

H. R. MITCHELL,
Secretary.

Dated: Mamaroneck, N. Y.,
July 12, 1921.